495 ELEVENTH

495 11th Avenue

Manhattan, New York

Remedial Investigation Report

NYSDEC BCP Site Number: C231141

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TABLE OF CONTENTS

EXECUTIVE SUMMARY **1**

REMEDIAL INVESTIGATION REPORT **4**

1.0 SITE BACKGROUND **4**

1.1 Purpose 4

1.2 Objectives 4

2.0 SITE DESCRIPTION **5**

2.1 Site Location and Description 5

2.2 Physical Setting 5

2.3 Site History and Previous Environmental Investigations 6

2.4 Proposed Future Use of the Site 6

3.0 SITE INVESTIGATION **7**

3.1 General Provisions 7

3.2 Soil Vapor Investigation 10

3.3 Soil Investigation 11

3.4 Groundwater Investigation 13

3.5 Data Generation and Validation 16

3.6 Qualitative Human Health Exposure Assessment 16

4.0 FINDINGS AND CONCLUSIONS **19**

4.1 Findings 19

4.2 Conclusions 20

FIGURES

Figure 1: Site Location Map
Figure 2: Area Land Uses
Figure 3: Sampling Location Map
Figure 4: VOCs in Soil Vapor
Figure 5: VOCs Above UU SCOs and RRU SCOs in Soil
Figure 6: SVOCs Above UU SCOs and RRU SCOs in Soil
Figure 7: TAL Metals Above UU SCOs and RRU SCOs in Soil
Figure 8: Pesticides Above UU SCOs and RRU SCOs in Soil
Figure 9: PCBs Above UU SCOs in Soil
Figure 10: VOCs Above AWQS in Groundwater
Figure 11: SVOCs Above AWQS in Groundwater
Figure 12: TAL Metals Above AWQS in Groundwater
Figure 13: Direction of Groundwater Flow

TABLES

Table 1: VOCs in Soil Vapor
Table 2: VOCs in Soil
Table 3: SVOCs in Soil
Table 4: TAL Metals in Soil
Table 5: Pesticides and PCBs in Soil
Table 6: VOCs in Groundwater
Table 7: SVOCs in Groundwater
Table 8: TAL Metals (Total) in Groundwater
Table 9: TAL Metals (Dissolved) in Groundwater
Table 10: Pesticides and PCBs in Groundwater
Table 11: Sample Collection and Submission

APPENDICES

A FIELDWORK LOGS

B DATA USABILITY SUMMARY REPORTS

C LABORATORY REPORTS

CERTIFICATION

I, James Blaney, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

James Blaney, CHMM November 5, 2021



Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

This Remedial Investigation Report (RIR) summarizes environmental investigation services performed by Gallagher Bassett Technical Services[1] (GBTS) at the property located at 495 11th Avenue, New York City, New York (the "Site").

The investigation was performed to document the extent of known contamination resulting from former commercial Site uses. All investigations were conducted consistent with a Remedial Investigation Work Plan (RIWP, March 2018), previously submitted to the New York City Mayor's Office of Environmental Remediation (OER) for review and approval. Variations from the OER-approved RIWP are described in Section 3.1.8. This RIR summarizes the findings of a previous environmental site assessment, details fieldwork methodologies and sample collection procedures employed during the Remedial Investigation (RI), documents laboratory analysis of samples collected in all media (soil, vapor and groundwater), and provides conclusions and recommendations based on this work and the resulting analytical data.

RI services were performed in accordance with the approved RIWP and in general conformance with NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10, May 2010).

Site Location and Current Usage

The Site is located at 495 11th Avenue in the Hell's Kitchen neighborhood in Manhattan, New York and is identified as Block 685 and Lot 38 on the New York City Tax Map. The Site has an area of 24,687 square feet (approximately 0.57 acre) and is utilized as an asphalt-paved parking lot by the New York City Police Department (NYPD). The Site is located in an urban area comprised primarily of institutional and mixed commercial and high-rise residential properties. A Site Location Map, indicating the BCP Site boundary, is provided as Figure 1.

The Site is bounded by West 40th Street followed by a New York City Transit Authority (NYCTA) bus garage (the "Michael J. Quill Bus Depot") to the north, by 11th Avenue followed by parking lots to the east, by the Lincoln Tunnel Land Ventilation Building to the south, and the Javits Center construction Site to the west. Adjoining and area-wide land uses in the vicinity of the Site are shown on Figure 2.

1 Investigation fieldwork was performed by "WCD Group Division of Gallagher Bassett Services".

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 49-story mixed-use building (539 feet high, gross area of 717,443 square feet) with NYPD parking space in the basement, commercial uses on the first ten floors and residential uses (250 dwelling units) at the remaining upper floors. Construction excavations for the basement are anticipated to extend to 13 feet below ground surface (bgs), slightly below the water table (encountered at approximately 12 feet bgs). Based on known environmental conditions and likely response actions, the completed development project is expected to be managed as a Track 1 Unrestricted Use property.

Summary of Past Uses of Site and Areas of Concern

Site history was identified in a Phase I Environmental Site Assessment (ESA, November 2014) prepared for the property by Louis Berger & Assoc., P.C. No other previous environmental investigations are known to have been conducted at the Site.

During the late-1800s to the mid-1900s, the Site was occupied by a slaughterhouse and meat packaging facility, and appears to have been associated with several other similar operations at adjoining and nearby properties. The Site was utilized as a warehouse and general store from circa 1976 to 1982 and all Site structures were demolished by circa 1991. The Site is currently utilized as a parking lot.

Recognized Environmental Conditions (RECs) identified in the Phase I ESA include potential impacts associated with: past industrial uses (e.g., slaughter house); possible unknown underground storage tanks (UST); and, an open NYSDEC spill event (# 8904384) reported at the Michael J. Quill Bus Depot, located north of the Site across 40th Street (the spill appears to have occurred in the southwest corner of the bus depot property).

Summary of Environmental Findings

GBTS advanced a total of nine (9) mechanized soil borings during performance of the RI, with five (5) additional borings extended solely for the collection of soil vapor. Permanent groundwater monitoring wells were installed at four (4) of the soil boring locations.

SOIL VAPOR

Low-level soil vapor contamination, typical of well-developed urban settings, has been identified at the Site; detected concentrations, however, are not likely to be indicative of any significant source areas.

SOIL

Subsurface soils encountered at soil borings across the Site consisted of unconsolidated fill (variable texture sand, with brick and concrete fragments) from surface grade to boring termination depth, which was approximately 15 feet bgs (refusal was encountered at two locations at 13 feet bgs). Fill materials appear to be underlain by metamorphic bedrock consisting of gneiss or schist (to a maximum observed depth of 19 feet bgs, encountered during installation of the four groundwater monitoring wells). No significant field evidence of contamination was observed in soil borings.

Site soils contain polycyclic aromatic hydrocarbons (PAHs) and metals above NYSDEC Soil Cleanup Objectives (SCOs) for Restricted-Residential Use (RRU), and pesticides, PCBs and one volatile organic compound above Unrestricted SCOs. PAH contamination is present throughout the Site. These findings are consistent with impacts associated with poor-quality urban fill.

GROUNDWATER

Depth to groundwater, as measured in on-site wells, ranged from 11.43 feet and 12.18 feet below the top of the well casing. Direction of groundwater flow was determined to be westerly, toward the Hudson River (see Figure 13). The rate of groundwater flow was not determined.

Groundwater contamination at the Site is limited to chloroform in one well, and PAHs and metals in all wells. PAH contamination in groundwater may be related to site-wide contamination documented in soil; metals in soils above RRU SCOs (barium, lead and mercury), however, are not present at significant levels. Contamination by dissolved metals appears to be related to local groundwater conditions.

Recommended Additional Investigation

NYSDEC has determined that investigation is warranted for per- and polyfluoroalkyl substances (PFAS) in Site media. A Pre-Design Investigation (PDI) will be completed prior to the start of the remedial action, in accordance with a NYSDEC-approved PDI Work Plan (PDIWP). The implementation of the PDIWP will be specified in the final Remedial Action Work Plan (RAWP).

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

1.1 Purpose

This Remedial Investigation Report (RIR) summarizes environmental investigation services performed by Gallagher Bassett Technical Services (GBTS) at the property located at 495 11th Avenue in the Hell's Kitchen neighborhood of the Borough of Manhattan, New York City, New York (the "Site").

The investigation was performed to document the extent of known contamination resulting from former commercial uses of the property. All investigations were conducted consistent with a Remedial Investigation Work Plan (RIWP, March 2018) that was submitted to the New York City Mayor's Office of Environmental Remediation (OER) for review and approval. Variations from the approved OER-approved RIWP are described in Section 3.1.8.

This RIR summarizes data from previous investigations (see Section 2.3), details fieldwork and sample collection procedures employed during the Remedial Investigation (RI), documents laboratory analysis of samples collected in all media (soil, vapor and groundwater), and provides conclusions and recommendations based on the fieldwork and analytical data.

Services summarized in this RIR were performed in accordance with the approved RIWP and in general conformance with NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10, May 2010).

1.2 Objectives

GBTS conducted a RI at the Site to: 1) characterize soil vapor, soil and groundwater quality; 2) evaluate the impacts from historical Site uses and document the nature and extent of contamination in soil, groundwater and soil vapor; and, 3) develop a qualitative exposure assessment based on Site conditions and identify an appropriate remedial action. In accordance with the RIWP and NYSDEC requirements, soil vapor samples were analyzed for TO-15 list volatile organic compounds (VOCs), and soil and groundwater samples were analyzed for Target Compound List (TCL) VOCs and semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, pesticides and polychlorinated biphenyls (PCBs).

2.0 SITE DESCRIPTION

2.1 Site Location and Description

The Site is located at 495 11th Avenue in the Hell's Kitchen neighborhood in Manhattan, New York and is identified as Block 685 and Lot 38 on the New York City Tax Map. The Site has an area of 24,687 square feet and is utilized as an asphalt-paved parking lot by the New York City Police Department (NYPD). The Site is located in an urban area comprised primarily of institutional and mixed commercial and high-rise residential properties. A Site Location Map, indicating the BCP Site boundary, is provided as Figure 1.

The Site is bounded by West 40th Street followed by a New York City Transit Authority (NYCTA) bus garage (the "Michael J. Quill Bus Depot") to the north, by 11th Avenue followed by parking lots to the east, by the Lincoln Tunnel Land Ventilation Building to the south, and the Javits Center construction Site to the west. Adjoining and area-wide land uses in the vicinity of the Site are shown on Figure 2.

2.2 Physical Setting

2.2.1 Site Topography

Based on an available site survey, the elevation of the property is approximately 18.5 to 21 feet above mean sea level (msl). The Site has an overall westerly downward slope. The surrounding area is a well-developed urban setting, where filling and surface grading is likely to have occurred. Local area surface topography slopes downward to the west, toward the Hudson River.

2.2.2 Site Geology

State geologic maps indicate that the Site is underlain by the Hartland Formation, which consists of metamorphic rocks. Subsurface soils exposed during the RI (nine soil borings) generally consisted of unconsolidated fill (variable texture sand, with masonry and other debris materials) from surface grade to approximately 15 feet below grade surface (bgs) or to the depth of boring refusal (approximately 13 feet bgs at two borings). Metamorphic bedrock consisting of gneiss or schist was encountered at depths between 15 and 19 feet bgs during installation of monitoring wells.

Soil boring locations are shown on Figure 3. Soil boring methodology and observations are described in Section 3.3, and soil boring logs from the RI are presented in Appendix A.

2.2.3 Site Subsurface Hydrogeology

Saturated soil was encountered in soil boring B-09 at the northwestern portion of the Site from 10 to 15 feet bgs. Gauging data recorded during the RI document groundwater depths (from well casings) ranging from approximately 11.43 to 12.18 feet (elevations of approximately 7.8 to 8.6 feet above msl). The direction of groundwater flow, based on static depth to water (at all four permanent on-site monitoring wells in August 2018) has been inferred to be westerly, towards the nearby Hudson River.

2.3 Site History and Previous Environmental Investigations

Site history was identified in a Phase I Environmental Site Assessment (ESA, November 2014) prepared for the property by Louis Berger & Assoc., P.C. No other previous environmental investigations are known to have been conducted at the Site.

During the late-1800s to the mid-1900s, the Site was occupied by a slaughterhouse and meat packaging facility, and appears to have been associated with several other similar operations at adjoining and nearby properties. The Site was utilized as a warehouse and general store from circa 1976 to 1982 and all Site structures were demolished by circa 1991. The Site is currently utilized as a parking lot.

Recognized Environmental Conditions (RECs) identified in the Phase I ESA include potential impacts associated with: past industrial uses (e.g., slaughter house); possible unknown underground storage tanks (UST); and, an open NYSDEC spill event (# 8904384) reported at the Michael J. Quill Bus Depot, located north of the Site across 40th Street (the spill appears to have occurred in the southwest corner of the bus depot property).

2.4 Proposed Future Use of the Site

The proposed future use of the Site will consist of a new 49-story mixed-use building (539 feet high, gross area of 717,443 square feet) with NYPD parking space in the basement, commercial uses on the first ten floors and residential uses (250 dwelling units) at the remaining upper floors. Construction excavations for the basement are anticipated to extend to 13 feet bgs (the water table is approximately 12 feet bgs). Based on documented environmental conditions and likely response actions, the owners expect to manage the completed development project as a Track 1 Unrestricted Use property.

3.0 SITE INVESTIGATION

GBTS advanced a total of nine (9) mechanized soil borings during performance of the RI, with five (5) additional borings extended solely for the collection of soil vapor. Permanent groundwater monitoring wells were installed at four (4) of the soil boring locations. All media sampling locations are shown on Figure 3, Sampling Location Map.

Fieldwork activities, laboratory submission and a qualitative human health exposure analysis are presented below. Analytical results from a total of 22 samples are provided in Tables 1 to 10, a summary of sample collection and submission to the laboratory is provided in Table 11 and laboratory reports are provided in Appendix C.

3.1 General Provisions

3.1.1 Utility Markout and Identification of Subsurface Structures

Prior to the initiation of fieldwork a request for a complete utility markout of the subject property was submitted in accordance with New York State Department of Labor regulations. Confirmation of all underground utility locations was secured and a field check of the utility markout was conducted prior to advancing soil borings and/or installing monitoring wells.

A geophysical survey (inclusive of ground penetrating radar) of the work area was performed by Underground Surveying, LLC on July 24, 2018[2], in order to determine the location of any other sub-surface utilities. No definitive evidence of USTs was identified during the geophysical survey.

3.1.2 Equipment Decontamination and Calibration

Field equipment used during the RI was properly decontaminated prior to the initiation of fieldwork in accordance with NYSDEC guidelines, and all field instruments were properly calibrated in accordance with procedures set forth by the equipment manufacturer(s).

A photoionization detector (PID) was utilized by GBTS personnel to screen all encountered material for the presence of volatile organic vapors where appropriate. Prior to the initiation of fieldwork, this PID

2 Soil vapor sampling was conducted on July 18, 2018; all other intrusive fieldwork occurred after performance of the geophysical survey.

was properly calibrated to read parts per million calibration vapor equivalents (ppm-cge) of isobutylene in accordance with protocols set forth by the equipment manufacturer.

3.1.3 Investigation Derived Waste

Surplus soil recovered during soil sampling was backfilled within the originating borehole (to no closer than 12-inches of the surface). Discarded personal protective equipment and other fieldwork supplies were disposed as municipal solid waste.

3.1.4 Subcontractors

GBTS oversaw the extension of soil borings and installation of monitoring wells by Allied Drilling Co. The Health and Safety Plan (HASP) prepared for the RIWP was reviewed with all on-site subcontractors. GBTS personnel served as the Site Health and Safety officer during all on-site work. GBTS personnel developed all monitoring wells, surveyed sampling locations and the relative heights of the monitoring well casings, and collected all soil, soil vapor and groundwater samples.

Laboratory services for analysis samples were subcontracted to York Analytical Laboratories, Inc. (soil vapor and soil) and Alpha Analytical (groundwater), New York State Department of Health (NYSDOH) certified laboratories (ELAP Certification Numbers 10602 and 11148, respectively). Data Usability Summary services for the RIR data were provided by ZDataReports of Syracuse, New York (Section 3.5).

3.1.5 Fieldwork Observations, Sample Collection and Sample Custody

An assessment of field conditions (e.g., soil type, indications of contamination, PID readings) was made during sample collection. GBTS personnel maintained field logs documenting all field observations and measurements (see fieldwork logs in Appendix A).

All media samples were collected in a manner consistent with NYSDEC and NYSDOH sample collection protocols. Dedicated, disposable gloves were worn by all personnel handling samples, and media was placed into laboratory-supplied containers. Soil and groundwater sample containers were maintained at cold temperature (4° C) prior to, and during, transport to the laboratory. Appropriate chain-of-custody procedures were followed.

Non-dedicated sampling equipment was decontaminated prior to initiation of fieldwork and before each new sample location, as appropriate.

3.1.6 Standards, Criteria and Guidance

Standards, Criteria and Guidance (SCGs) applicable to RI sample analysis are specified below.

SOIL

SCGs for soil analytes are based on NYSDEC Remedial Program Soil Cleanup Objectives (SCOs) for Restricted-Residential Use (RRU SCOs), provided in 6 NYCRR Subpart 375, Table 375-6.8(b) "Protection of Public Health" category. Data summary tables also provide SCOs for Unrestricted Use (UU SCOs) for comparative purposes. SCOs for soils are referenced in units of milligrams per kilogram (mg/kg, parts per million [ppm]).

WATER

SCGs for water analytes are based on Ambient Water Quality Standards and Guidance Values (AWQS) presented in NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1). SCGs for groundwater are referenced in units of micrograms per liter (µg/L, parts per billion [ppb]).

SOIL VAPOR

The State of New York does not have any standards, criteria or guidance values for volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor). In the absence of SCG values, soil vapor samples collected during the RI were reviewed as a whole in conjunction with results of other environmental sampling. Soil vapor results are provided in units of micrograms per cubic meter (µg/m^3).

3.1.7 Documented Deviations from the Approved RIWP

There were no significant deviations from the RIWP that were critical to the validity of the conclusions and recommendations presented in Section 4.0.

3.1.8 CAMP Findings

At the time the investigation was performed under OER oversight, no CAMP implementation was required during the investigation phase. No CAMP was performed.

3.2 Soil Vapor Investigation

3.2.1 Sample Collection Methodology – Soil Vapor

A soil vapor survey was completed to determine VOC levels in the soil vadose zone. Sampling points were created in borings extended to approximate depths of 4 feet bgs. The end of the sample tubing (0.188-inch inner diameter Teflon) was attached to an "air stone" filter and placed immediately above the bottom of the boring and surrounded with clean sand, and remaining portions of the boreholes were sealed with hydrated bentonite clay to prevent the infiltration of surface air.

The space around the sampling point was enclosed and sealed (with a metal hemisphere and clay) in order to introduce a tracer gas (helium) into the area surrounding the probe point. A helium detector (Radiodetection Multi-vapor Leak Locator, model MDG 2002) was utilized to determine when the interior atmosphere reached a helium concentration of 80%. A vacuum pump was then utilized to purge the standing air from the tubing and open interval of the bore hole. At least three borehole and tubing volumes were purged prior to sample collection at a rate not exceeding 0.2 liters per minute. Following purging, vapor samples were collected over a two-hour period using a six-liter stainless steel, laboratory-supplied Summa canister with a two-hour calibrated flow controller. For each canister, the pre- and post-sample canister pressure, start and stop times, and location of each sampling point were recorded.

3.2.2 Fieldwork Observations – Soil Vapor

The entire Site was covered by approximately 6 inches of asphalt in good condition, which allowed for the proper installation of sampling points at the Site. No significant PID readings or other evidence of contamination were noted at any locations during soil vapor sampling. The fieldwork was performed per an OER RIWP, which did not require field logs for soil vapor sampling. No logs were recorded. All data relevant to start-stop pressures is recorded on the Chain-of-Custody.

3.2.3 Laboratory Results – Soil Vapor

Vapor samples were analyzed for VOCs (USEPA Method TO-15). Low-level contamination by non-chlorinated solvents (including 2-butanone, 530 to 760 µg/m^3 [peak VOC level]; 2-hexanone, 52 to 86 µg/m^3; and acetone, 130 to 180 µg/m^3) and chlorinated solvents (including tetrachloroethene [PCE], 18 to 55 µg/m^3) was reported in all samples. Low levels of petroleum compounds were reported in two

samples (SV-04 and SV-05). Soil vapor sampling locations and results are shown on Figure 4 and data are summarized in Table 1.

3.2.4 Nature and Extent of Contamination – Soil Vapor

Low-level soil vapor contamination, typical of well-developed urban settings, has been identified at the Site; detected concentrations, however, are not likely to be indicative of any significant source areas.

3.3 Soil Investigation

3.3.1 Sample Collection Methodology

A total of nine (9) mechanized borings were extended during the RI. Fieldwork observations were recorded, and at least one soil sample was collected for laboratory analysis, at each boring location.

All soil borings were extended by personnel from Allied Drilling Co. on July 24 and 27, 2018, using a track-mounted direct-push corer (equipped with disposable acetate sleeves to prevent sample cross contamination). Soil borings were extended to depths ranging from 13 to 15 feet bgs, based on an anticipated development depth of 15 feet bgs.

Sampling criteria at borings was based on the presence of saturated material at the soil/groundwater interface, intervals exhibiting the most significant field indications of contamination or likely to contain sources of contamination, or from non-impacted soils to establish vertical delineation. Material was removed directly from the acetate sleeves. Field personnel wore dedicated disposable gloves and placed samples directly into laboratory-supplied glassware using disposable equipment. The coring barrel was decontaminated to avoid cross-contamination between samples.

All soil sampling for VOCs was conducted according to USEPA Method 5035 fieldwork protocols, utilizing laboratory sampling kits (disposable plastic syringes and prepared 40-ml glass vials).

3.3.2 Fieldwork Observations

Subsurface soils encountered at soil borings across the Site consisted of unconsolidated fill (variable texture sand, with brick and concrete fragments) from surface grade to boring termination depth, which was approximately 13 to 15 feet bgs (refusal was encountered at two locations at 13 feet bgs). All fill materials appear to be underlain by metamorphic bedrock (gneiss or schist to a maximum observed depth of 19 feet bgs, encountered during conversion of four soil borings to groundwater monitoring

wells). No significant field evidence of contamination was observed in any soil borings. Boring logs are presented in Appendix A.

3.3.3 Laboratory Results – Soil

A total of thirteen (13) soil samples collected from nine (9) soil borings were submitted for laboratory analysis. Two soil samples were collected from each boring where sufficient recovery permitted. Shallow samples were collected at the 0 to 2 feet bgs interval, and deep samples were collected at 13 to 15 feet bgs, the interval immediately below the expected maximum depth of excavation for Site development.

All RI samples were analyzed for TCL VOCs and SVOCs utilizing USEPA Methods 8260/8270, TAL metals utilizing USEPA Methods 6010/7471, and pesticides and PCBs utilizing USEPA Methods 8081/8082.

Sampling locations and detections of compounds in soil at concentrations above UU SCOs are shown on Figures 5 to 9 and soil data are summarized in Tables 2 to 5.

3.3.3.1 Soil Analysis: VOCs

VOCs were not detected above RRU SCOs. The only VOC detected above UU SCOs was acetone (peak level 0.3 ppm, UU SCO 0.05 ppm) in eight samples. VOCs were detected below UU SCOs at trace to low levels in several other locations, including petroleum-related compounds (1,2,4-trimethylbenzene) and solvents (carbon disulfide, PCE). VOCs above UU SCOs are shown on Figure 5 and summarized in Table 2.

3.3.3.2 Soil Analysis: SVOCs

Elevated levels of multiple SVOCs (above both RRU SCOs and UU SCOs) were detected in both shallow and deep soil samples collected from borings across the Site. All SVOC exceedances were restricted to PAHs, with a peak level reported for benzo(a)anthracene (B-1 13-15 feet bsg, 10.8 ppm, RRU SCO 1 ppm). Peak levels for all detected PAHs occurred in sample B-1 (13-15). SVOCs above UU SCOs and/or RRU SCOs are shown on Figure 6 and summarized in Table 3.

3.3.3.3 Soil Analysis: Metals

Three metals were detected above RRU SCOs: barium in sample B-07 0-2 (peak level 444 ppm, RRU SCO 400 ppm); lead at B-02 0-2 (peak level 450 ppm, RRU SCO 400 ppm); and, mercury in sample B-09 13-15 (peak level 1.81 ppm, RRU SCO 0.81). Metals were detected above UU SCOs but below RRU SCOs in five (5) shallow and four (4) deep soil samples. TAL metals above UU SCOs and/or RRU SCOs are shown on Figure 7 and summarized in Table 4.

3.3.3.4 Soil Analysis: Pesticides and PCBs

Pesticides and PCBs were not detected above RRU SCOs. Several pesticides (DDT, DDD, DDE and dieldrin (peak level 0.0139 ppm, UU SCO 0.2 ppm) were detected above UU SCOs in eleven samples. PCBs were detected above the UU SCO (peak level 0.392 ppm, UU SCO 0.1 ppm) in sample B-07 0-2. Pesticides and PCBs above UU SCOs are shown on Figure 8 and Figure 9, respectively, and summarized in Table 5.

3.3.4 Nature and Extent of Contamination – Soil

Site soils contain PAHs and metals above RRU SCOs, and pesticides, PCBs and one VOC above UU SCOs. PAH contamination is present throughout the Site. These findings are consistent with impacts associated with poor-quality urban fill and/or historical commercial uses.

3.4 Groundwater Investigation

3.4.1 Monitoring Well Installation

Permanent monitoring wells BW2 (D), BW6W (S), B8W (D), and B9W (D) were installed by Allied Drilling Co. between July 24 and July 27, 2018 during the soil investigation. Fieldwork was conducted under the direct supervision of GBTS field personnel (locations are shown on Figure 13, Direction of Groundwater Flow).

Each monitoring well was constructed of two-inch PVC casing with 10 feet of 0.01-inch slotted PVC well screening placed to extend at least 2 feet above the water table. All wells points were set from 24.9 to 38.5 feet bgs into underlying bedrock. The annular space around the well screen was backfilled with clean #1 silica sand to a depth of 1 to 2 feet above the well screen. A one-foot thick bentonite seal was poured above the sand pack and allowed to hydrate before grouting the remaining annular space with cement. All wells are equipped with a gripper casing cap. The top of the casing and cap were set just below surface grade and protected with drive-over steel covers. Well construction logs are presented in Appendix A.

The heights of all monitoring well casings (compared to a fixed arbitrary on-site vertical benchmark) were measured after well installation by GBTS personnel using a surveyor's transit.

3.4.2 Monitoring Well Development

Permanent monitoring wells were developed on August 1st, 2018 in order to enhance the hydraulic connection between the well screen and the surrounding soils. Well casings were first screened with a PID to document the presence of any volatile organic vapors. A submersible pump and dedicated polyethylene tubing were then used to clear fine-grained material that may have settled around the well screen and at the base of the well. Well development began at the top of the water column to prevent clogging of the pump by excessive sediment. The pump body acted as a surge-block by being raised and lowered within portions of the screened interval to force water back and forth through the screen. Repeated surging and pumping was conducted to the bottom of the well casing until discharged water appeared free of sediment and indicator parameters (pH, temperature, turbidity, dissolved oxygen and specific conductivity) had stabilized. The pump assembly was removed from the well while the pump was still running to minimize discharge of purged water back into the well. All non-dedicated equipment was decontaminated between wells.

3.4.3 Groundwater Flow

Groundwater flow was calculated using measurements collected prior to the start of groundwater quality sampling. The general direction of groundwater flow was determined based on elevations of static groundwater using an electronic depth meter accurate to the nearest 0.01-foot. Groundwater depth (from top of casing), as recorded during the gauging event, ranged from between 11.43 feet (BW9(S)) and 12.18 feet (BMW-2(D)). Raw measurements were compared to well survey data (relative casing heights) to generate groundwater elevation contours.

Direction of groundwater flow was inferred to be westerly, toward the Hudson River (see Figure 13). The rate of groundwater flow was not determined.

3.4.4 Sample Collection Methodology

Groundwater samples were collected from each well on August 8, 2018 (four samples). Prior to sampling, each well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. All wells were purged and sampled in accordance with USEPA low stress (“low flow”) procedures. All sampling was conducted using a Horiba U-50 series multi-parameter water quality meter, dedicated plastic tubing and a peristaltic pump. Sample collection occurred after wells were purged for at least 15 minutes and field parameters stabilized (achieved when

three consecutive readings were within the required parameters specified by the USEPA protocol). Each sample was collected in 40 ml vials, 1-liter amber jars and 250 ml plastic jars, preserved as appropriate for the specific analysis. No groundwater samples were filtered prior to submission to the laboratory.

3.4.5 Fieldwork Observations

A slight sheen, elevated PID reading (approximately 390 ppm), and a non-petroleum, organic odor were observed during purging at monitoring well B2W (D), and PID readings ranging from approximately 28 to 545 ppm were recorded at remaining wells; no other field evidence of contamination was noted during well sampling activities.

3.4.6 Laboratory Results – Groundwater

Water samples from each of the four on-site wells were submitted for laboratory analysis of TCL VOCs and TCL SVOCs utilizing USEPA Methods 8260/8270, TAL metals (total and dissolved) utilizing USEPA Methods 6010/7471, and pesticides and PCBs utilizing USEPA Methods 8081/8082. Sampling locations and detections of compounds above AWQS are shown on Figures 10 to 12, and groundwater data are summarized in Tables 6 to 10.

3.4.6.1 Water Analysis: VOCs

Significant groundwater contamination is limited to an elevated level of chloroform in B6W(S) (peak level 12 ppb, AWQS 7 ppb); lower levels of chloroform were found in all in all remaining wells. All wells contained low levels of acetone and a low level of methylene chloride was detected in B6W(S). No other VOCs were detected in any groundwater samples. VOCs above AWQS are shown on Figure 10 and summarized in Table 6.

3.4.6.2 Water Analysis: SVOCs

Elevated levels of benzo(a)anthracene (peak level 0.04 ppb, AWQS 0.002 ppb) were found in all wells. Low levels of other SVOCs, primarily PAHs, were found in all wells. SVOCs above AWQS are shown on Figure 11 and summarized in Table 7.

3.4.6.3 Water Analysis: Metals

Multiple metals were reported in all groundwater samples, with elevated levels of both total and dissolved iron, manganese and/or sodium in all samples. Metal contamination is somewhat consistent across the Site, suggesting that these impacts are related to groundwater conditions in the surrounding

area. Metals above AWQS are shown on Figure 12 and total and dissolved metals are summarized in Table 8 and Table 9, respectively.

3.4.6.4 Water Analysis: Pesticides and PCBs

Pesticides and PCBs were not detected in any groundwater samples. Pesticides and PCBs in water are summarized in Table 10.

3.4.7 Nature and Extent of Contamination – Groundwater

Groundwater contamination at the Site is limited to chloroform in one well, and PAHs and metals in all wells. PAH contamination may be related to site-wide soil contamination; metals in soils above RRU SCOs (barium, lead and mercury), however, have not been documented in groundwater at significant levels. Contamination by dissolved metals appears to be related to local groundwater conditions.

3.5 Data Generation and Validation

Complete laboratory data packages (ASP Category B Deliverables), containing all laboratory data generated during execution of the RIWP, were provided to an independent, third-party data validator, for preparation of Data Usability Summary Report (DUSR; provided in Appendix B). All data were determined to be usable for qualitative and quantitative purposes with no exceptions (sample results for several analytes were qualified based on deviations from various laboratory criteria).

3.6 Qualitative Human Health Exposure Assessment

An exposure assessment was conducted to qualitatively assess the potential impacts of known environmental contaminants associated with the Site on human health, with attention to all possible exposure pathways (i.e. ingestion, inhalation and direct contact).

Both current (existing conditions) and future use (proposed restricted-residential or mixed restricted-residential/commercial use) scenarios were considered. Contaminants were assessed relative to specific impacted media. The primary contaminants of concern at the Site are metals and SVOCs (PAHs) in soils. On-site workers (or trespassers) present during remediation and/or future development activities are the most likely receptor population.

The following section evaluates the elements associated with exposure pathways, and describes how each of these elements pertains to the Site. For all media, the implementation of a HASP and a CAMP

will mitigate possible impacts to both on-site and off-site receptor populations. Any on-site or off-site development activities that involve disturbance, exposure or contact with contaminated soil, soil vapor or groundwater will require monitoring and mitigation plans to address potential direct contact with media, dust generation and contaminant migration.

3.6.1 Soil Vapor

Potential exposure pathways include vapor intrusion within any new Site structures and at off-site properties, and direct contact and/or inhalation of contaminated soil vapor generated during soil excavation or remedial construction. A CAMP would be implemented at the Site (and, as required, at off-site areas) to monitor air quality and minimize potential exposures to vapors for both construction works and the public.

The potential for on-site and off-site exposure to soil vapor is expected to decrease after subsurface soils have been remediated. Post-remediation sampling results will document contaminant levels in remaining media and will determine the need for any on-site and off-site vapor intrusion studies, and the need for any on-site engineering controls or building design features (e.g., sub-slab depressurization system or a fully ventilated ground floor garage) to mitigate soil vapor intrusion.

3.6.2 Soil

Direct contact, ingestion and/or inhalation (of particulate matter) are the primary exposure pathways for contaminated soils. People can come into contact if they participate in ground-intrusive work at the Site, or are exposed to dust generated during construction activities that disturb contaminated soil. Outside of excavation activities, there are no likely significant exposures to contaminated soil, either on the Site or at off-site areas.

The potential exists for low-level contamination to be present after the completion of remediation and Site development activities. All potential exposure pathways (direct contact, ingestion or inhalation) will likely be mitigated as soils would have been remediated and/or access to soils would be limited by paved areas and building foundations.

3.6.3 Groundwater

Direct contact and/or ingestion are the primary exposure pathways for contaminated groundwater. Impacted groundwater is not being used for drinking water (or any other purposes) at the Site or at off-

site areas, as the area is served by the public water supply. No known private wells exist in the vicinity of the Site. People can come into contact if they participate in ground-intrusive work at the Site. The potential for contact is generally a concern for work conducted at depths near or below the seasonally high local groundwater elevation. Any dissolved contaminants in groundwater downgradient of the Site are anticipated to diminish as a result of Site remediation.

3.6.4 Overview of Current and Potential Exposures

Environmental Media and Exposure Route	Human Exposure Assessment
Soil: Direct contact, ingestion and/or inhalation (particulates)	People can come into contact if they trespass at the site, participate in ground-intrusive work, or are exposed to dust generated during construction activities. Within excavation areas, contact is generally a concern for work conducted at depths near or below the groundwater table; outside of excavation activities, there are no likely on-site or off-site exposures. The potential exists for low-level contamination to remain at on-site areas after remediation and development activities. All potential exposure pathways (direct contact, ingestion or inhalation) will likely be mitigated as subsurface soils would have been remediated and/or access to subsurface soils would be limited by paved areas and building foundations.
Groundwater: Direct contact and/or ingestion	Impacted groundwater is not being used for drinking water (or any other purposes) either on- or off-site, as the area is served by a public water supply. No known private wells exist in the vicinity of the Site. People can come into contact if they participate in ground-intrusive work at the Site. The potential for contact is generally a concern for work conducted at depths near or below the seasonally high local groundwater elevation. Any dissolved contaminants in groundwater downgradient of the Site are anticipated to diminish as a result of Site remediation
Air: Inhalation (exposures related to soil vapor intrusion)	Potential exposure pathways include vapor intrusion within any new structures and at off-site properties, and direct contact and/or inhalation of contaminated soil vapor during soil excavation or remedial construction. A CAMP would be implemented to monitor air quality and minimize potential exposures for both construction works and the public. Potential exposures are expected to decrease after remediation. Post-remediation sampling results will be used to determine the need for any vapor intrusion studies, and the need for any modifications to proposed engineering controls or building design features (e.g., SSDS) to mitigate soil vapor intrusion.

4.0 FINDINGS AND CONCLUSIONS

GBTS has completed the environmental investigative services summarized in Section 3.0 for the Site located at 495 11th Avenue, New York, New York. The investigative work was performed to document the extent of contamination resulting from former residential and commercial uses of the property, in accordance with an OER-approved RIWP, and to provide guidance on response actions warranted to address identified environmental conditions.

4.1 Findings

4.1.1 Soil Vapor Contamination

Low-level soil vapor contamination, typical of well-developed urban settings, has been identified at the Site; detected concentrations, however, are not likely to be indicative of any significant source areas.

4.1.2 Soil Contamination

Subsurface soils across the Site consist of unconsolidated fill; however, no significant field evidence of contamination was observed in borings. Site soils contain PAHs and metals (barium, lead and mercury) above RRU SCOs, and pesticides, PCBs and one VOC above UU SCOs. PAH contamination is present throughout the Site.

These findings are consistent with impacts associated with poor-quality urban fill.

4.1.3 Groundwater Contamination

Groundwater contamination is limited to PAHs (benzo[a]anthracene) and metals. PAH contamination in groundwater may be related to site-wide contamination documented in soil; metals found in soils above RRU SCOs (barium, lead and mercury), however, are not present in groundwater at significant levels. Contamination by dissolved metals appears to be related to local groundwater conditions.

No significant concentrations of VOCs, or detectable concentrations of pesticides and PCBs, were found in the groundwater.

4.2 Conclusions

Site media (soil vapor, soil and groundwater) have has been investigated. NYSDEC has determined that additional investigation is warranted for per- and polyfluoroalkyl substances (PFAS); sufficient investigative work, however, has been completed with respect to soil vapor concerns and on-site soil and groundwater contamination other than PFAS.

Based on the investigative work conducted to date, the following general conclusions are reached:

- VOCs are not present in soil vapor at levels indicating any significant on-site source areas or potential concerns for off-site migration.
- A Pre-Design Investigation (PDI) will be completed prior to the start of the remedial action, in accordance with a NYSDEC-approved PDI Work Plan (PDIWP), in order to document the presence or absence of PFAS in applicable Site media. The implementation of the PDIWP will be specified in the final Remedial Action Work Plan (RAWP).
- In addition to the PFAS investigation, further soil investigation may be warranted during Site development to more completely evaluate subsurface conditions and provide practical guidance during implementation of the remedy.
- With exception of PAH contamination, impacts to groundwater are not likely to be related to significant source areas in Site soils and no significant off-site impacts are anticipated.

FIGURES



Figure 1: Site Location Map

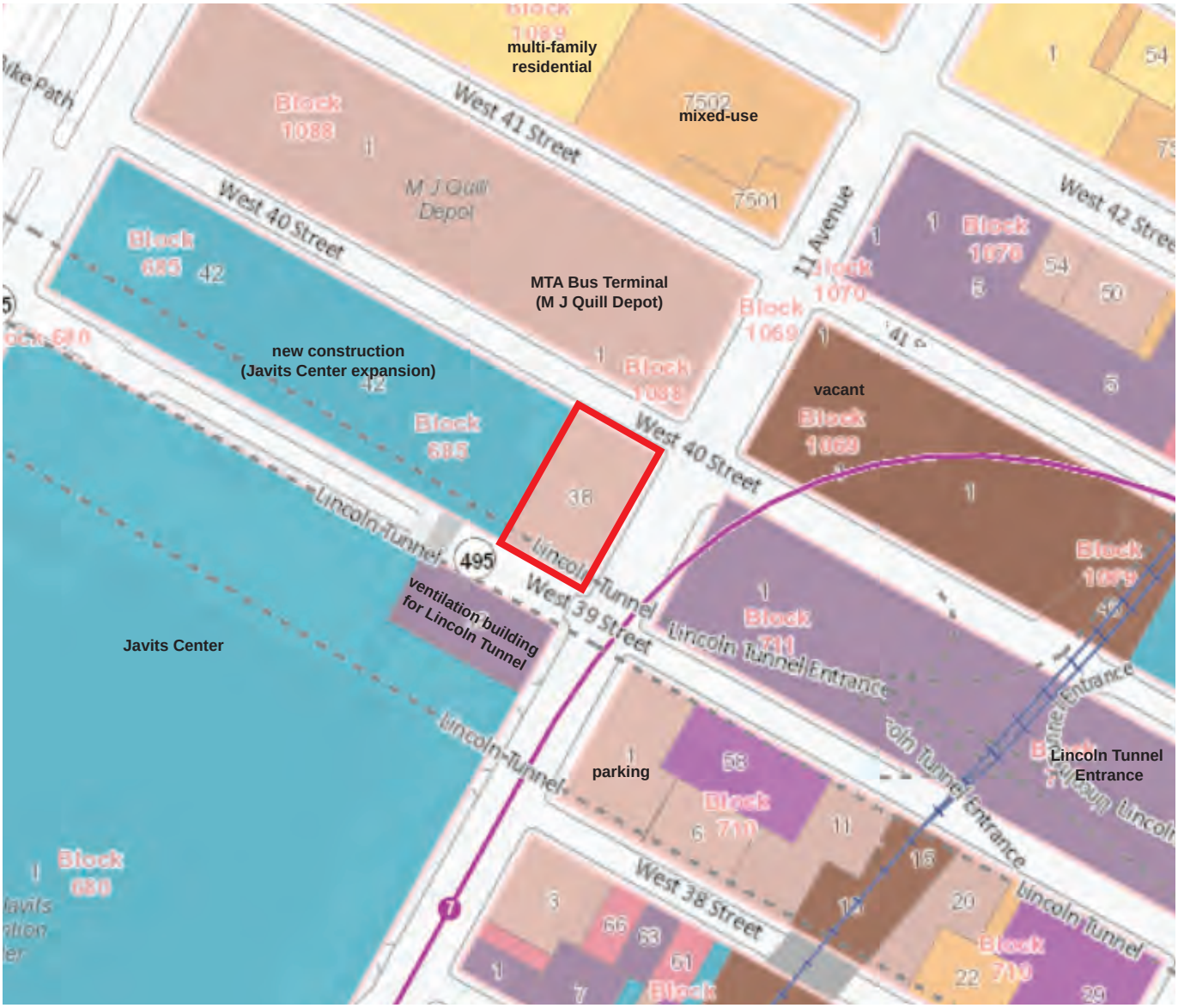
495 11th Avenue
Borough of Manhattan

Legend:
subject property

File: KM17075.40

November 2021

Figures



Parks, Playgrounds, & Open Space
- Parks & Public Lands
- Open Space (NYC Dept of City Planning)
- Forested Areas (NJ)
- Federal Land
- Community Gardens
- School property with garden
- Playgrounds
- Green Spaces Along Streets

Block/Lot Boundaries
(Building footprints in gray)
- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots

N

0 100 200
SCALE IN FEET (APPROXIMATELY)

Source Map provided by http://www.oasisnyc.net/map.aspx.

Figure 2: Area of Land Uses

495 11th Avenue
Borough of Manhattan

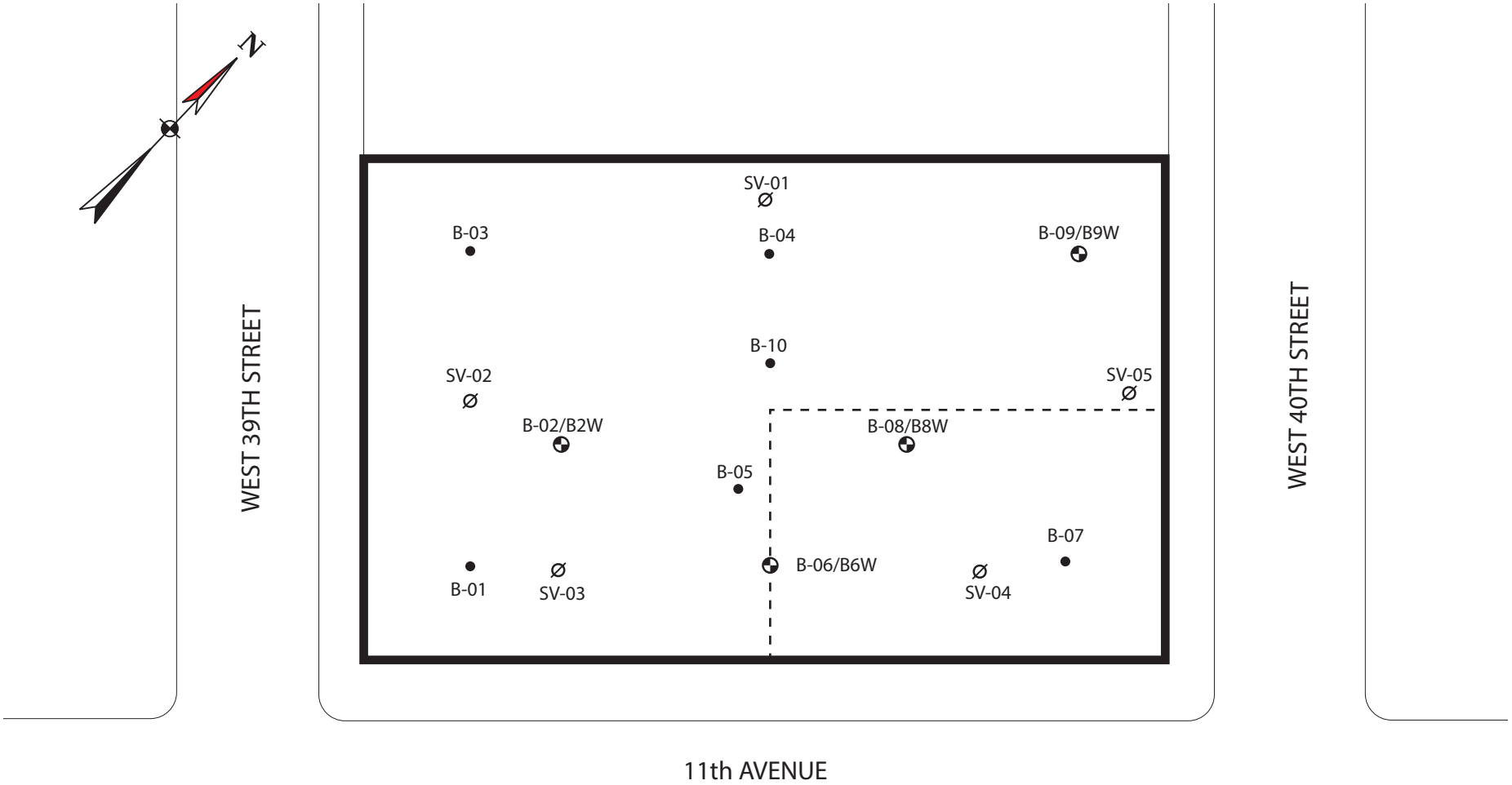
Legend:
subject property

File: KM17075.40

November 2021

Figures

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Base map provided by HAKS Engineers, Architects & Land Surveyors PC survey dated 11/5/14. 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.

Figure 3 Sampling Location Map

495 11th Avenue
Borough of Manhattan, New York

Legend:
- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn Map

File: KM17075.40
November 2021
Scale as shown
Figures

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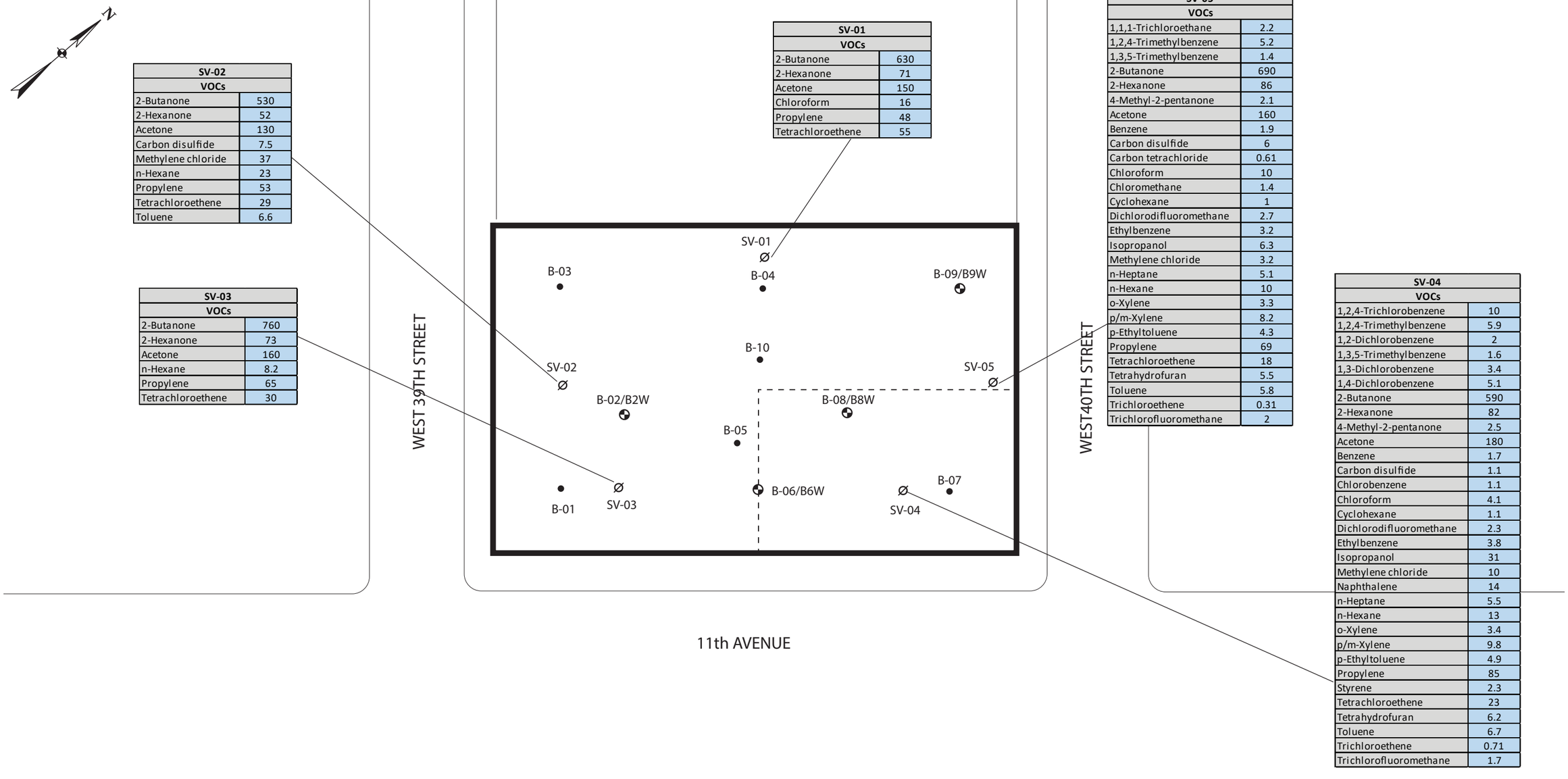
SV-02	
VOCs	
2-Butanone	530
2-Hexanone	52
Acetone	130
Carbon disulfide	7.5
Methylene chloride	37
n-Hexane	23
Propylene	53
Tetrachloroethene	29
Toluene	6.6

SV-03	
VOCs	
2-Butanone	760
2-Hexanone	73
Acetone	160
n-Hexane	8.2
Propylene	65
Tetrachloroethene	30

SV-01	
VOCs	
2-Butanone	630
2-Hexanone	71
Acetone	150
Chloroform	16
Propylene	48
Tetrachloroethene	55

SV-05	
VOCs	
1,1,1-Trichloroethane	2.2
1,2,4-Trimethylbenzene	5.2
1,3,5-Trimethylbenzene	1.4
2-Butanone	690
2-Hexanone	86
4-Methyl-2-pentanone	2.1
Acetone	160
Benzene	1.9
Carbon disulfide	6
Carbon tetrachloride	0.61
Chloroform	10
Chloromethane	1.4
Cyclohexane	1
Dichlorodifluoromethane	2.7
Ethylbenzene	3.2
Isopropanol	6.3
Methylene chloride	3.2
n-Heptane	5.1
n-Hexane	10
o-Xylene	3.3
p/m-Xylene	8.2
p-Ethyltoluene	4.3
Propylene	69
Tetrachloroethene	18
Tetrahydrofuran	5.5
Toluene	5.8
Trichloroethene	0.31
Trichlorofluoromethane	2

SV-04	
VOCs	
1,2,4-Trichlorobenzene	10
1,2,4-Trimethylbenzene	5.9
1,2-Dichlorobenzene	2
1,3,5-Trimethylbenzene	1.6
1,3-Dichlorobenzene	3.4
1,4-Dichlorobenzene	5.1
2-Butanone	590
2-Hexanone	82
4-Methyl-2-pentanone	2.5
Acetone	180
Benzene	1.7
Carbon disulfide	1.1
Chlorobenzene	1.1
Chloroform	4.1
Cyclohexane	1.1
Dichlorodifluoromethane	2.3
Ethylbenzene	3.8
Isopropanol	31
Methylene chloride	10
Naphthalene	14
n-Heptane	5.5
n-Hexane	13
o-Xylene	3.4
p/m-Xylene	9.8
p-Ethyltoluene	4.9
Propylene	85
Styrene	2.3
Tetrachloroethene	23
Tetrahydrofuran	6.2
Toluene	6.7
Trichloroethene	0.71
Trichlorofluoromethane	1.7



0 25 50
SCALE IN FEET
(APPROXIMATELY)

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn Map

All data in µg/m3
Detected concentrations

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.

Figure 4: VOCs in Soil Vapor

495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

November 2021 | Figures

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N

B-02 (0-2)	
VOCs	
Acetone	0.11

B-01 (0-2)		
VOCs	(0-2)	(13-15)
Acetone	0.095	0.22

B-09		
VOCs	(0-2)	(13-15)
Acetone	0.081	0.099

B-07		
VOCs	(0-2)	(13-15)
Acetone	0.06	0.11

B-08 (0-2)	
VOCs	
Acetone	3

WEST 39TH STREET

WEST40TH STREET

11th AVENUE

SV-01
B-03
B-04
B-09/B9W
B-10
SV-02
SV-05
B-02/B2W
B-08/B8W
B-05
B-07
B-01
SV-03
B-06/B6W
SV-04

VOCs, 8260	UU SCO	RRU SCO
Acetone	0.05	100
Analyte Above UU SCO		
Analyte Above RRU SCO		
All data in mg/Kg (ppm)		

0 25 50
SCALE IN FEET
(APPROXIMATELY)

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn 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.

Figure 5: VOCs Above UU SCOs and RRU SCOs in Soil

495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

November 2021 | Figures

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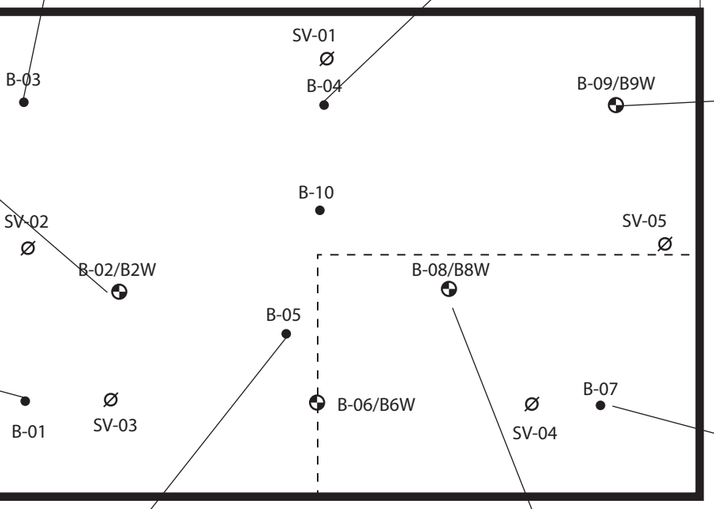
B-02 (0-2)	
SVOCs	
Benzo(a)anthracene	**5.34**
Benzo(a)pyrene	**5.12**
Benzo(b)fluoranthene	**4.02**
Benzo(k)fluoranthene	**4.04**
Chrysene	**4.96**
Dibenzo(a,h)anthracene	**1.03**
Indeno(1,2,3-cd)pyrene	**2.56**

B-03 (0-2)	
SVOCs	
Benzo(a)pyrene	**1.34**
Indeno(1,2,3-cd)pyrene	**0.83**

B-04 (13-16)	
SVOCs	
Benzo(a)anthracene	**9.55**
Benzo(a)pyrene	**8.54**
Benzo(b)fluoranthene	**6.96**
Benzo(k)fluoranthene	**6.15**
Chrysene	**9.15**
Dibenzo(a,h)anthracene	**0.982**
Indeno(1,2,3-cd)pyrene	**4.43**

B-09		
SVOCs	(0-2)	(13-15)
Benzo(a)anthracene	**2.33**	**1.19**
Benzo(a)pyrene	**2.25**	**1.09**
Benzo(b)fluoranthene	**1.97**	0.963
Benzo(k)fluoranthene	1.68	0.959
Chrysene	2.25	1.11
Dibenzo(a,h)anthracene	**0.408**	0.235
Indeno(1,2,3-cd)pyrene	**1.04**	**0.56**

B-01 (0-2)		
SVOCs	(0-2)	(13-15)
Benzo(a)anthracene	**1.61**	**10.8**
Benzo(a)pyrene	**1.77**	**9.4**
Benzo(b)fluoranthene	**1.45**	**7.02**
Benzo(k)fluoranthene	1.33	**7.84**
Chrysene	1.56	**9.73**
Dibenzo(a,h)anthracene	**0.351**	**1.51**
Indeno(1,2,3-cd)pyrene	**0.837**	**5.26**



B-07	
SVOCs	(0-2)
Benzo(a)anthracene	**2.39**
Benzo(a)pyrene	**1.69**
Benzo(b)fluoranthene	**1.5**
Benzo(k)fluoranthene	1.33
Chrysene	2.23
Indeno(1,2,3-cd)pyrene	**0.983**

B-05 (0-2)	
SVOCs	
Benzo(a)anthracene	**2.22**
Benzo(a)pyrene	**2.15**
Benzo(b)fluoranthene	**2.3**
Benzo(k)fluoranthene	1.67
Chrysene	2.18
Indeno(1,2,3-cd)pyrene	**0.901**

11th AVENUE

B-08 (0-2)	
SVOCs	
Benzo(a)anthracene	**1.3**
Benzo(a)pyrene	**1.32**
Benzo(b)fluoranthene	**1.09**
Benzo(k)fluoranthene	1.07
Chrysene	1.16

SVOCs, 8270	UU SCO	RRU SCO
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
Analyte Detected		
Analyte Above UU SCO		
Analyte Above RRU SCO		
All data in mg/Kg (ppm)		

0 25 50
SCALE IN FEET
(APPROXIMATELY)

Legend:
- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn Map

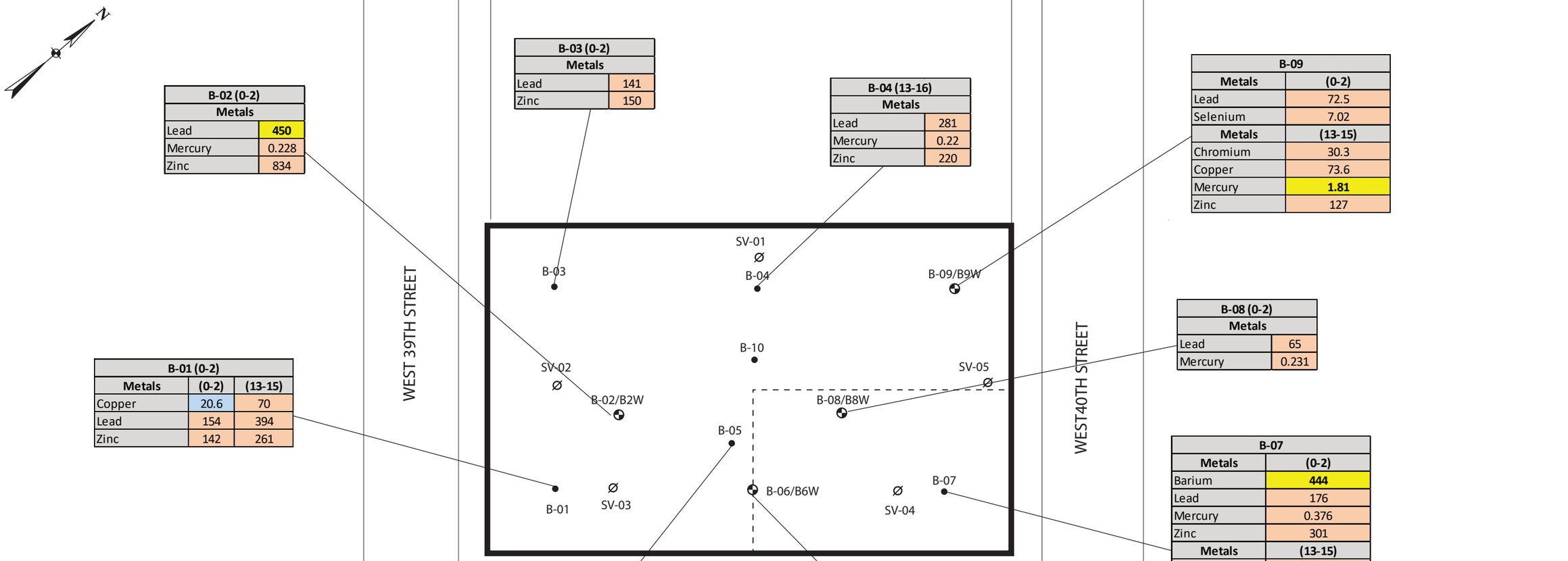
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 6: SVOCs Above UU SCOs and RRU SCOs in Soil

495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40
Scale as shown
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B-02 (0-2)	
Metals	
Lead	**450**
Mercury	0.228
Zinc	834

B-03 (0-2)	
Metals	
Lead	141
Zinc	150

B-04 (13-16)	
Metals	
Lead	281
Mercury	0.22
Zinc	220

B-09	
Metals	**(0-2)**
Lead	72.5
Selenium	7.02
Metals	**(13-15)**
Chromium	30.3
Copper	73.6
Mercury	**1.81**
Zinc	127

B-01 (0-2)		
Metals	**(0-2)**	**(13-15)**
Copper	20.6	70
Lead	154	394
Zinc	142	261

B-08 (0-2)	
Metals	
Lead	65
Mercury	0.231

B-07	
Metals	**(0-2)**
Barium	**444**
Lead	176
Mercury	0.376
Zinc	301
Metals	**(13-15)**
Chromium	41.1

B-05 (0-2)	
Metals	
Lead	69.4
Zinc	146

B-06 (13-15)	
Metals	
Chromium	76.3
Copper	73.5
Nickel	98.4

Metals, 6010 and 7473	UU SCO	RRU SCO
Barium	350	400
Chromium	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Selenium	3.9	180
Zinc	109	10,000
Analyte Detected		
Analyte Above UU SCO		
Analyte Above RRU SCO		
All data in mg/Kg (ppm)		

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn 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.

Figure 7: Metals Above UU SCOs and RRU SCOs in Soil

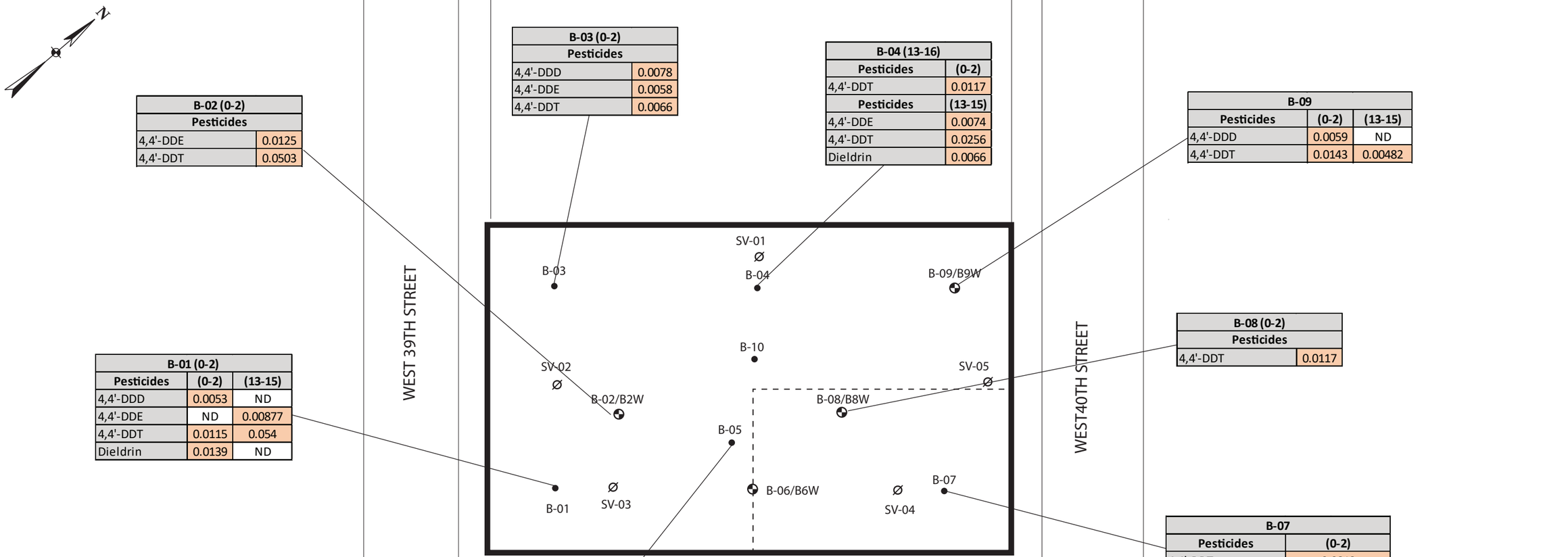
495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

November 2021 | Figures

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B-02 (0-2)	
Pesticides	
4,4'-DDE	0.0125
4,4'-DDT	0.0503

B-03 (0-2)	
Pesticides	
4,4'-DDD	0.0078
4,4'-DDE	0.0058
4,4'-DDT	0.0066

B-04 (13-16)	
Pesticides	**(0-2)**
4,4'-DDT	0.0117
Pesticides	**(13-15)**
4,4'-DDE	0.0074
4,4'-DDT	0.0256
Dieldrin	0.0066

B-09		
Pesticides	**(0-2)**	**(13-15)**
4,4'-DDD	0.0059	ND
4,4'-DDT	0.0143	0.00482

B-01 (0-2)		
Pesticides	**(0-2)**	**(13-15)**
4,4'-DDD	0.0053	ND
4,4'-DDE	ND	0.00877
4,4'-DDT	0.0115	0.054
Dieldrin	0.0139	ND

B-08 (0-2)	
Pesticides	
4,4'-DDT	0.0117

B-07	
Pesticides	**(0-2)**
4,4'-DDT	0.0813

B-05 (0-2)	
Pesticides	
4,4'-DDT	0.0221
Dieldrin	0.0057

Pesticides, 8081	UU SCO	RRU SCO
4,4'-DDD	0.0033	13
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
Dieldrin	0.005	0.2
Analyte Detected		
Analyte Above UU SCO		
Analyte Above RRU SCO		
ND = Not detected		
All data in mg/Kg (ppm)		

0 25 50
SCALE IN FEET
(APPROXIMATELY)

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn 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.

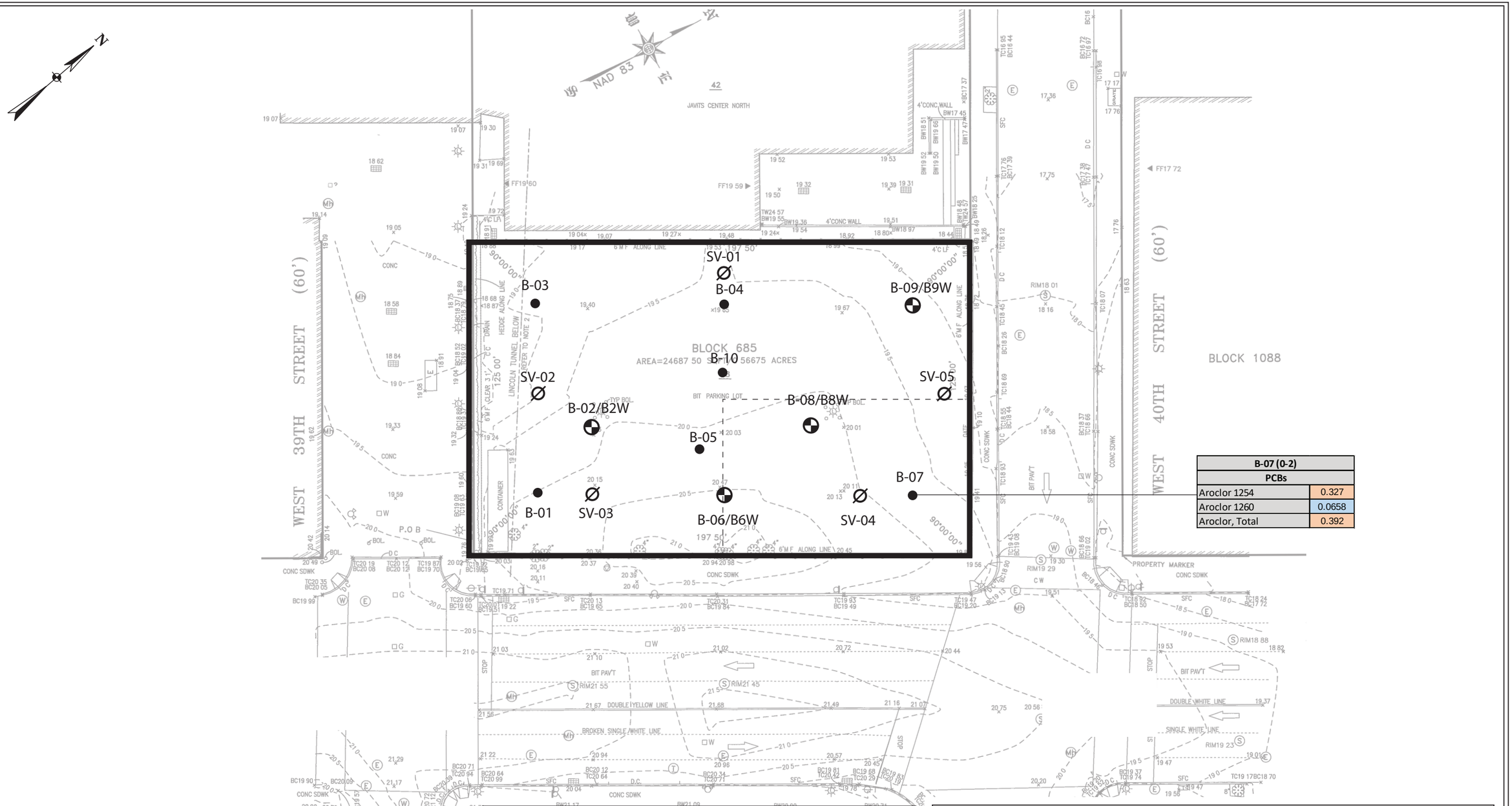
Figure 8: Pesticides Above UU SCOs and RRU SCOs in Soil

495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

November 2021 | Figures



B-07 (0-2)	
PCBs	
Aroclor 1254	0.327
Aroclor 1260	0.0658
Aroclor, Total	0.392

0 25 50
SCALE IN FEET
(APPROXIMATELY)

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn Map

All Results in mg/Kg (ppm)
Analyte Detected
Analyte Above UUSCO

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.

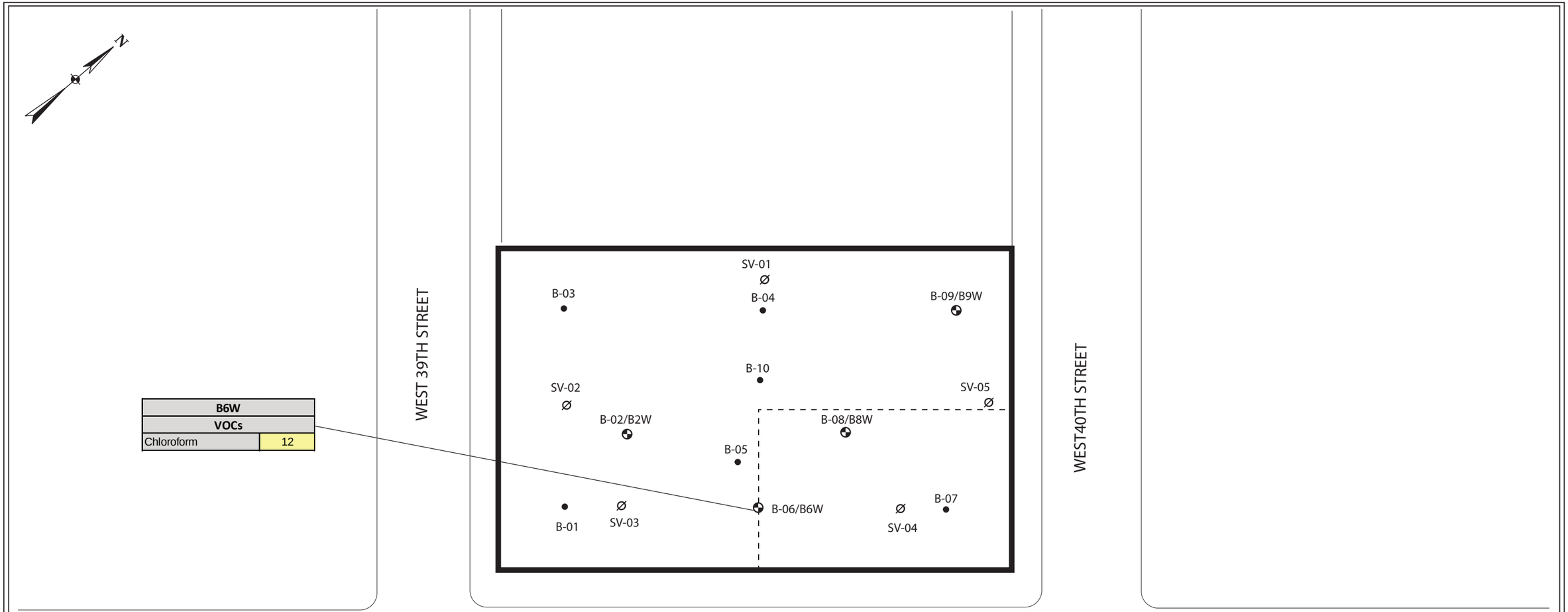
Figure 9: PCBs in Soil

495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

November 2021 | Figures



VOCs, 8260	AWQS
Chloroform	7
All data in µg/L (ppb)	
Concentrations above AWQS	

0 25 50
SCALE IN FEET
(APPROXIMATELY)

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.

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn Map

Figure 10: VOCs Above AWQS in Groundwater

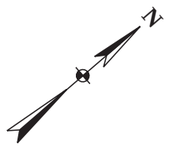
495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

November 2021 | Figures

GALLAGHER BASSETT | TECHNICAL SERVICES



WEST 39TH STREET

WEST40TH STREET

11th AVENUE

SV-01
B-03
B-04
B-09/B9W
B-10
SV-02
SV-05
B-02/B2W
B-08/B8W
B-05
B-01
SV-03
B-06/B6W
B-07
SV-04

B2W	
SVOCS	
Benzo(a)anthracene	0.04

B9W	
SVOCS	
Benzo(a)anthracene	0.03

B8W	
SVOCS	
Benzo(a)anthracene	0.04

B6W	
SVOCS	
Benzo(a)anthracene	0.03

SVOCs, 8270	AWQS
Benzo(a)anthracene	0.002
All data in µg/L (ppb)	
Concentrations above AWQS	

0 25 50
SCALE IN FEET
(APPROXIMATELY)

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn 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.

Figure 11: SVOCs Above AWQS in Groundwater

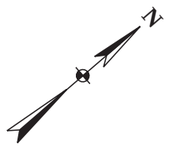
495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

november 2021 | Figures

GALLAGHER BASSETT | TECHNICAL SERVICES



WEST 39TH STREET

WEST40TH STREET

11th AVENUE

SV-01
B-03
B-04
B-09/B9W
B-10
SV-02
SV-05
B-02/B2W
B-08/B8W
B-05
B-07
B-01
SV-03
B-06/B6W
SV-04

B2W	
TAL Metals (Total)	
Iron	4,060
Manganese	853
Sodium	1,360,000
TAL Metals (Dissolved)	
Iron	2,880
Magnesium	38,400
Manganese	940
Sodium	1,470,000

B9W	
TAL Metals (Total)	
Iron	2,500
Sodium	139,000
TAL Metals (Dissolved)	
Iron	1,860
Sodium	137,000

B8W	
TAL Metals (Total)	
Iron	4,780
Sodium	294,000
TAL Metals (Dissolved)	
Sodium	292,000

B6W	
TAL Metals (Total)	
Iron	5,480
Sodium	177,000
TAL Metals (Dissolved)	
Iron	4,230
Sodium	171,000

Metals, 6010 and 7473 (Total)	AWQS
Iron	300
Manganese	300
Sodium	20,000
Metals, 6010 and 7473 (Dissolved)	**AWQS**
Iron	300
Magnesium	35,000
Manganese	300
Sodium	20,000
All data in µg/L (ppb)	
Concentrations above AWQS	

0 25 50

SCALE IN FEET
(APPROXIMATELY)

Legend:

- subject property border
- boring location
- boring and monitoring well location
- soil vapor location
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn 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.

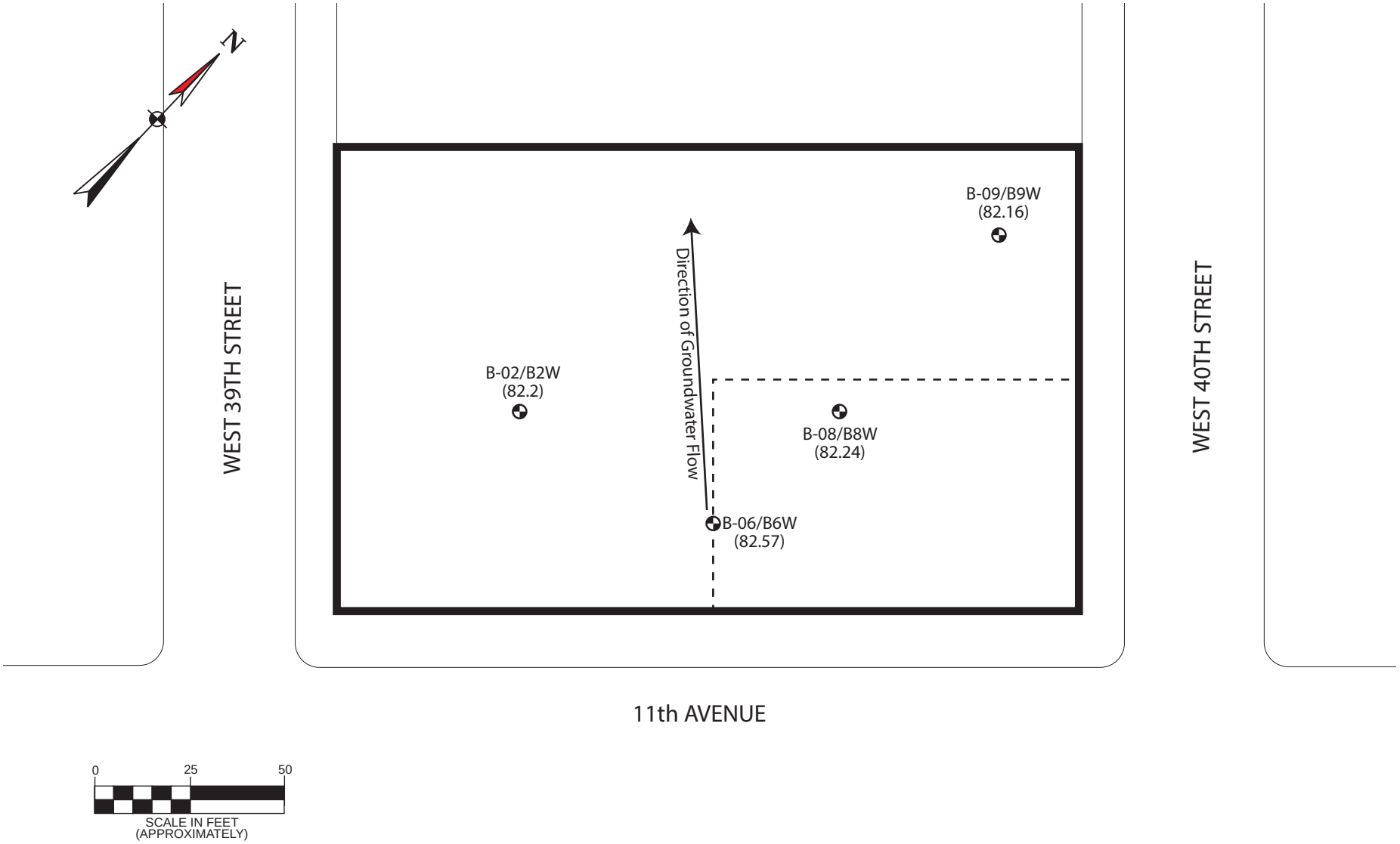
Figure 12: TAL Metals Above AWQS in Groundwater

495 11th Avenue
Borough of Manhattan, New York

File: KM17075.40

Scale as shown

November 2021 | Figures



Base map provided by HAKS Engineers, Architects & Land Surveyors PC survey dated 11/5/14. 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.

Figure 13: Direction of Groundwater Flow

495 11th Avenue
Borough of Manhattan, New York

Legend:
- monitoring well location (elevation)
- subject property border
- estimated dimensions of former refrigeration area, as shown on the 1950 Sanborn Map

File: KM17075.40
November 2021
Scale as shown
Figures

TABLES

Table 1: VOCs in Soil Vapor

NYSDEC BCP Site: C231141

GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

Sample ID	SV-01		SV-02		SV-03		SV-04		SV-05	
All data in µg/m³ Sample Date	(2018-07-18)		(2018-07-18)		(2018-07-18)		(2018-07-18)		(2018-07-18)	
U= Not Detected ≥ value Dilution Factor	18.96		13.4		17.79		18.79		19.38	
VOCs, TO-15	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	13	U	9.2	U	12	U	1.3	U	1.3	U
1,1,1-Trichloroethane	10	U	7.3	U	9.7	U	1	U	2.2	D
1,1,2,2-Tetrachloroethane	13	U	9.2	U	12	U	1.3	U	1.3	U
1,1,2-Trichloro-1,2,2-trifluoroethane	15	U	10	U	14	U	1.4	U	1.5	U
1,1,2-Trichloroethane	10	U	7.3	U	9.7	U	1	U	1.1	U
1,1-Dichloroethane	7.7	U	5.4	U	7.2	U	0.76	U	0.78	U
1,1-Dichloroethene	7.5	U	5.3	U	7.1	U	0.74	U	0.77	U
1,2,4-Trichlorobenzene	14	U	9.9	U	13	U	10	D	1.4	U
1,2,4-Trimethylbenzene	9.3	U	6.6	U	8.7	U	5.9	D	5.2	D
1,2-Dibromoethane	15	U	10	U	14	U	1.4	U	1.5	U
1,2-Dichlorobenzene	11	U	8.1	U	11	U	2	D	1.2	U
1,2-Dichloroethane	7.7	U	5.4	U	7.2	U	0.76	U	0.78	U
1,2-Dichloropropane	8.8	U	6.2	U	8.2	U	0.87	U	0.9	U
1,2-Dichlorotetrafluoroethane	13	U	9.4	U	12	U	1.3	U	1.4	U
1,3,5-Trimethylbenzene	9.3	U	6.6	U	8.7	U	1.6	D	1.4	D
1,3-Butadiene	13	U	8.9	U	12	U	1.2	U	1.3	U
1,3-Dichlorobenzene	11	U	8.1	U	11	U	3.4	D	1.2	U
1,3-Dichloropropane	8.8	U	6.2	U	8.2	U	0.87	U	0.9	U
1,4-Dichlorobenzene	11	U	8.1	U	11	U	5.1	D	1.2	U
1,4-Dioxane	14	U	9.7	U	13	U	1.4	U	1.4	U
2-Butanone	630	D	530	D	760	D	590	D	690	D
2-Hexanone	71	D	52	D	73	D	82	D	86	D
3-Chloropropene	30	U	21	U	28	U	2.9	U	3	U
4-Methyl-2-pentanone	7.8	U	5.5	U	7.3	U	2.5	D	2.1	D
Acetone	150	D	130	D	160	D	180	D	160	D
Acrylonitrile	4.1	U	2.9	U	3.9	U	0.41	U	0.42	U
Benzene	6.1	U	4.3	U	5.7	U	1.7	D	1.9	D
Benzyl chloride	9.8	U	6.9	U	9.2	U	0.97	U	1	U
Bromodichloromethane	13	U	9	U	12	U	1.3	U	1.3	U
Bromoform	20	U	14	U	18	U	1.9	U	2	U
Bromomethane	7.4	U	5.2	U	6.9	U	0.73	U	0.75	U
Carbon disulfide	5.9	U	7.5	D	5.5	U	1.1	D	6	D
Carbon tetrachloride	3	U	2.1	U	2.8	U	0.3	U	0.61	D
Chlorobenzene	8.7	U	6.2	U	8.2	U	1.1	D	0.89	U
Chloroethane	5	U	3.5	U	4.7	U	0.5	U	0.51	U
Chloroform	16	D	6.5	U	8.7	U	4.1	D	10	D
Chloromethane	3.9	U	2.8	U	3.7	U	0.39	U	1.4	D
cis-1,2-Dichloroethene	7.5	U	5.3	U	7.1	U	0.74	U	0.77	U
cis-1,3-Dichloropropene	8.6	U	6.1	U	8.1	U	0.85	U	0.88	U
Cyclohexane	6.5	U	4.6	U	6.1	U	1.1	D	1	D
Dibromochloromethane	16	U	11	U	15	U	1.6	U	1.7	U
Dichlorodifluoromethane	9.4	U	6.6	U	8.8	U	2.3	D	2.7	D
Ethyl Acetate	14	U	9.7	U	13	U	1.4	U	1.4	U
Ethylbenzene	8.2	U	5.8	U	7.7	U	3.8	D	3.2	D
Hexachlorobutadiene	20	U	14	U	19	U	2	U	2.1	U
Isopropanol	9.3	U	6.6	U	8.7	U	31	D	6.3	D
Methyl Methacrylate	7.8	U	5.5	U	7.3	U	0.77	U	0.79	U
Methyl tert butyl ether	6.8	U	4.8	U	6.4	U	0.68	U	0.7	U
Methylene chloride	13	U	37	D	12	U	10	D	3.2	D
Naphthalene	99	U	70	U	93	U	14	D	10	U
n-Heptane	7.8	U	5.5	U	7.3	U	5.5	D	5.1	D
n-Hexane	6.7	U	23	D	8.2	D	13	D	10	D
o-Xylene	8.2	U	5.8	U	7.7	U	3.4	D	3.3	D
p/m-Xylene	16	U	12	U	15	U	9.8	D	8.2	D
p-Ethyltoluene	9.3	U	6.6	U	8.7	U	4.9	D	4.3	D
Propylene	48	D	53	D	65	D	85	D	69	D
Styrene	8.1	U	5.7	U	7.6	U	2.3	D	0.83	U
Tetrachloroethene	55	D	29	D	30	D	23	D	18	D
Tetrahydrofuran	11	U	7.9	U	10	U	6.2	D	5.5	D
Toluene	7.1	U	6.6	D	6.7	U	6.7	D	5.8	D
trans-1,2-Dichloroethene	7.5	U	5.3	U	7.1	U	0.74	U	0.77	U
trans-1,3-Dichloropropene	8.6	U	6.1	U	8.1	U	0.85	U	0.88	U
Trichloroethene	2.5	U	1.8	U	2.4	U	0.71	D	0.31	D
Trichlorofluoromethane	11	U	7.5	U	10	U	1.7	D	2	D
Vinyl acetate	6.7	U	4.7	U	6.3	U	0.66	U	0.68	U
Vinyl bromide	8.3	U	5.9	U	7.8	U	0.82	U	0.85	U
Vinyl chloride	4.8	U	3.4	U	4.5	U	0.48	U	0.5	U

Detected concentrations

Notes: NA = not available

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

Table 2: VOCs in Soils
NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)		**Sample ID**	**B-01 (0-2)**		**B-01 (13-15)**		**B-02 (0-2)**		**B-03 (0-2)**		**B-04 (0-2)**	
U= Not Detected ≥ indicated value		Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,1,1-Trichloroethane	0.68	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,1,2-Trichloroethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,1-Dichloroethane	0.27	26	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2,3-Trichlorobenzene	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2,3-Trichloropropane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2,4-Trichlorobenzene	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2,4-Trimethylbenzene	3.6	52	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2-Dibromoethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2-Dichlorobenzene	1.1	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2-Dichloroethane	0.02	3.1	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,2-Dichloropropane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,3,5-Trimethylbenzene	8.4	52	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,3-Dichlorobenzene	2.4	49	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,4-Dichlorobenzene	1.8	13	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
1,4-Dioxane	0.1	13	0.28	*U*	0.31	*U*	0.19	*U*	0.11	*U*	0.92	*U*
2-Butanone (MEK)	0.12	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
2-Hexanone	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
4-Methyl-2-pentanone	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Acetone	0.05	100	0.095		0.22		0.11		0.047		0.092	*U*
Acrolein	NA	NA	0.028	*U*	0.031	*U*	0.019	*U*	0.011	*U*	0.092	*U*
Acrylonitrile	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Benzene	0.06	4.8	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Bromochloromethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Bromodichloromethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Bromoform	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Bromomethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Carbon disulfide	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Carbon tetrachloride	0.76	2.4	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Chlorobenzene	1.1	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Chloroethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Chloroform	0.37	49	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Chloromethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
cis-1,3-Dichloropropylene	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Cyclohexane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Dibromochloromethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Dibromomethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Dichlorodifluoromethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Ethyl Benzene	1	41	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Hexachlorobutadiene	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Isopropylbenzene	2.3	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Methyl acetate	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Methylcyclohexane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Methylene chloride	0.05	100	0.028	*U*	0.031	*U*	0.019	*U*	0.011	*U*	0.092	*U*
n-Butylbenzene	12	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
n-Propylbenzene	3.9	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
o-Xylene	0.26	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
p- & m- Xylenes	0.26	100	0.028	*U*	0.031	*U*	0.019	*U*	0.011	*U*	0.092	*U*
p-Isopropyltoluene	10	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
sec-Butylbenzene	11	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Styrene	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.13		0.046	*U*
tert-Butylbenzene	5.9	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Tetrachloroethylene (PCE)	1.3	19	0.062		0.016	*U*	0.0097	*U*	0.04		0.046	*U*
Toluene	0.7	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
trans-1,3-Dichloropropylene	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Trichloroethylene (TCE)	0.47	21	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Trichlorofluoromethane	NA	NA	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Vinyl chloride (VC)	0.02	0.9	0.014	*U*	0.016	*U*	0.0097	*U*	0.0053	*U*	0.046	*U*
Xylenes, Total	0.26	100	0.042	*U*	0.047	*U*	0.029	*U*	0.016	*U*	0.14	*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: VOCs in Soils
NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)		**Sample ID**	**B-04 (13-15)**		**B-05 (0-2)**		**B-06 (13-15)**		**B-07 (0-2)**		**B-07 (13-15)**	
U= Not Detected ≥ indicated value		Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,1,1-Trichloroethane	0.68	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,1,2-Trichloroethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,1-Dichloroethane	0.27	26	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2,3-Trichlorobenzene	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2,3-Trichloropropane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2-Dibromoethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2-Dichlorobenzene	1.1	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2-Dichloroethane	0.02	3.1	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,2-Dichloropropane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,3-Dichlorobenzene	2.4	49	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,4-Dichlorobenzene	1.8	13	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
1,4-Dioxane	0.1	13	0.099	*U*	0.19	*U*	0.11	*U*	0.14	*U*	0.19	*U*
2-Butanone (MEK)	0.12	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
2-Hexanone	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
4-Methyl-2-pentanone	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Acetone	0.05	100	0.036		0.027	*J*	0.022	*J*	0.06		0.11	
Acrolein	NA	NA	0.0099	*U*	0.019	*U*	0.011	*U*	0.014	*U*	0.019	*U*
Acrylonitrile	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Benzene	0.06	4.8	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Bromochloromethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Bromodichloromethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Bromoform	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Bromomethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Carbon disulfide	NA	NA	0.0049	*U*	0.0096	*U*	0.0092	*J*	0.0071	*U*	0.021	
Carbon tetrachloride	0.76	2.4	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Chlorobenzene	1.1	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Chloroethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Chloroform	0.37	49	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Chloromethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Cyclohexane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Dibromochloromethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Dibromomethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Dichlorodifluoromethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Ethyl Benzene	1	41	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Hexachlorobutadiene	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Isopropylbenzene	2.3	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Methyl acetate	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Methylcyclohexane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Methylene chloride	0.05	100	0.0099	*U*	0.019	*U*	0.011	*U*	0.014	*U*	0.019	*U*
n-Butylbenzene	12	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
n-Propylbenzene	3.9	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
o-Xylene	0.26	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
p- & m- Xylenes	0.26	100	0.0099	*U*	0.019	*U*	0.011	*U*	0.014	*U*	0.019	*U*
p-Isopropyltoluene	10	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
sec-Butylbenzene	11	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Styrene	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
tert-Butyl alcohol (TBA)	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
tert-Butylbenzene	5.9	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Tetrachloroethylene (PCE)	1.3	19	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Toluene	0.7	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Trichloroethylene (TCE)	0.47	21	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Trichlorofluoromethane	NA	NA	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Vinyl chloride (VC)	0.02	0.9	0.0049	*U*	0.0096	*U*	0.0056	*U*	0.0071	*U*	0.0097	*U*
Xylenes, Total	0.26	100	0.015	*U*	0.029	*U*	0.017	*U*	0.021	*U*	0.029	*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: VOCs in Soils
NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)			**Sample ID**	**B-08 (0-2)**		**B-09 (0-2)**		**B-09 (13-15)**	
U= Not Detected ≥ indicated value			Sample Date	(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**			Dilution Factor	1		1		1	
VOCs, 8260	**UUSCO**	**RRUSCO**		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-Tetrachloroethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,1,1-Trichloroethane	0.68	100		0.014	*U*	0.0083	*U*	0.017	*U*
1,1,2,2-Tetrachloroethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,1,2-Trichloroethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,1-Dichloroethane	0.27	26		0.014	*U*	0.0083	*U*	0.017	*U*
1,1-Dichloroethylene (1,1-DCE)	0.33	100		0.014	*U*	0.0083	*U*	0.017	*U*
1,2,3-Trichlorobenzene	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,2,3-Trichloropropane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,2,4-Trichlorobenzene	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,2,4-Trimethylbenzene	3.6	52		0.014	*U*	0.0083	*U*	0.049	
1,2-Dibromo-3-chloropropane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,2-Dibromoethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,2-Dichlorobenzene	1.1	100		0.014	*U*	0.0083	*U*	0.017	*U*
1,2-Dichloroethane	0.02	3.1		0.014	*U*	0.0083	*U*	0.017	*U*
1,2-Dichloropropane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
1,3,5-Trimethylbenzene	8.4	52		0.014	*U*	0.0083	*U*	0.017	*U*
1,3-Dichlorobenzene	2.4	49		0.014	*U*	0.0083	*U*	0.017	*U*
1,4-Dichlorobenzene	1.8	13		0.014	*U*	0.0083	*U*	0.017	*U*
1,4-Dioxane	0.1	13		0.29	*U*	0.17	*U*	0.35	*U*
2-Butanone (MEK)	0.12	100		0.014	*U*	0.0083	*U*	0.017	*U*
2-Hexanone	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
4-Methyl-2-pentanone	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Acetone	0.05	100		0.3		0.081		0.099	
Acrolein	NA	NA		0.029	*U*	0.017	*U*	0.035	*U*
Acrylonitrile	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Benzene	0.06	4.8		0.014	*U*	0.0083	*U*	0.017	*U*
Bromochloromethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Bromodichloromethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Bromoform	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Bromomethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Carbon disulfide	NA	NA		0.014	*U*	0.0083	*U*	0.024	*J*
Carbon tetrachloride	0.76	2.4		0.014	*U*	0.0083	*U*	0.017	*U*
Chlorobenzene	1.1	100		0.014	*U*	0.0083	*U*	0.017	*U*
Chloroethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Chloroform	0.37	49		0.014	*U*	0.0083	*U*	0.017	*U*
Chloromethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
cis-1,2-Dichloroethylene (cis-DCE)	0.25	100		0.014	*U*	0.0083	*U*	0.017	*U*
cis-1,3-Dichloropropylene	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Cyclohexane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Dibromochloromethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Dibromomethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Dichlorodifluoromethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Ethyl Benzene	1	41		0.014	*U*	0.0083	*U*	0.017	*U*
Hexachlorobutadiene	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Isopropylbenzene	2.3	100		0.014	*U*	0.0083	*U*	0.017	*U*
Methyl acetate	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Methyl tert-butyl ether (MTBE)	0.93	100		0.014	*U*	0.0083	*U*	0.017	*U*
Methylcyclohexane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Methylene chloride	0.05	100		0.029	*U*	0.017	*U*	0.035	*U*
n-Butylbenzene	12	100		0.014	*U*	0.0083	*U*	0.017	*U*
n-Propylbenzene	3.9	100		0.014	*U*	0.0083	*U*	0.017	*U*
o-Xylene	0.26	100		0.014	*U*	0.0083	*U*	0.017	*U*
p- & m- Xylenes	0.26	100		0.029	*U*	0.017	*U*	0.035	*U*
p-Isopropyltoluene	10	NA		0.014	*U*	0.0083	*U*	0.017	*U*
sec-Butylbenzene	11	100		0.014	*U*	0.0083	*U*	0.017	*U*
Styrene	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
tert-Butyl alcohol (TBA)	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
tert-Butylbenzene	5.9	100		0.014	*U*	0.0083	*U*	0.017	*U*
Tetrachloroethylene (PCE)	1.3	19		0.014	*U*	0.0083	*U*	0.017	*U*
Toluene	0.7	100		0.014	*U*	0.0083	*U*	0.017	*U*
trans-1,2-Dichloroethylene (trans-DCE)	0.19	100		0.014	*U*	0.0083	*U*	0.017	*U*
trans-1,3-Dichloropropylene	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Trichloroethylene (TCE)	0.47	21		0.014	*U*	0.0083	*U*	0.017	*U*
Trichlorofluoromethane	NA	NA		0.014	*U*	0.0083	*U*	0.017	*U*
Vinyl chloride (VC)	0.02	0.9		0.014	*U*	0.0083	*U*	0.017	*U*
Xylenes, Total	0.26	100		0.043	*U*	0.025	*U*	0.052	*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 3: SVOCs in Soils

NYSDEC BCP Site: C231141

GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)			**Sample ID**	**B-01 (0-2)**		**B-01 (13-15)**		**B-02 (0-2)**		**B-03 (0-2)**		**B-04 (0-2)**	
U= Not Detected ≥ indicated value			Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)	
Data above SCOs shown in **Bold**			Dilution Factor	5		50		10		2		10	
SVOCs, 8270	**UUSCO**	**RRUSCO**		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
1,2,4-Trichlorobenzene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
1,2-Dichlorobenzene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
1,3-Dichlorobenzene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
1,4-Dichlorobenzene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2,3,4,6-Tetrachlorophenol	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
2,4,5-Trichlorophenol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2,4,6-Trichlorophenol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2,4-Dichlorophenol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2,4-Dimethylphenol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2,4-Dinitrophenol	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
2,4-Dinitrotoluene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2,6-Dinitrotoluene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2-Chloronaphthalene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2-Chlorophenol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2-Methylnaphthalene	NA	NA		0.0467	*U*	0.463	*JD*	0.0495	*U*	0.0517	*JD*	0.231	*U*
2-Methylphenol	0.33	100		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
2-Nitroaniline	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
2-Nitrophenol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
3- & 4-Methylphenols	0.33	100		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
3,3'-Dichlorobenzidine	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
3-Nitroaniline	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
4,6-Dinitro-2-methylphenol	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
4-Bromophenyl phenyl ether	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
4-Chloro-3-methylphenol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
4-Chloroaniline	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
4-Chlorophenyl phenyl ether	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
4-Nitroaniline	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
4-Nitrophenol	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
Acenaphthene	20	100		0.0604	*JD*	2.5	*D*	0.381	*D*	0.0477	*U*	0.231	*U*
Acenaphthylene	100	100		0.088	*JD*	0.37	*JD*	0.19	*D*	0.179	*D*	0.231	*U*
Acetophenone	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Aniline	NA	NA		0.187	*U*	1.02	*U*	0.198	*U*	0.191	*U*	0.923	*U*
Anthracene	100	100		0.326	*D*	7.22	*D*	1.47	*D*	0.157	*D*	0.231	*U*
Atrazine	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Benzaldehyde	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Benzidine	NA	NA		0.187	*U*	1.02	*U*	0.198	*U*	0.191	*U*	0.923	*U*
Benzo(a)anthracene	1	1		**1.61**	*D*	**10.8**	*D*	**5.34**	*D*	0.408	*D*	0.774	*D*
Benzo(a)pyrene	1	1		**1.77**	*D*	**9.4**	*D*	**5.12**	*D*	**1.34**	*D*	0.811	*D*
Benzo(b)fluoranthene	1	1		**1.45**	*D*	**7.02**	*D*	**4.02**	*D*	0.977	*D*	0.693	*D*
Benzo(g,h,i)perylene	100	100		0.975	*D*	5.66	*D*	2.8	*D*	1.19	*D*	0.472	*D*
Benzo(k)fluoranthene	0.8	3.9		1.33	*D*	**7.84**	*D*	**4.04**	*D*	0.638	*D*	0.678	*D*
Benzoic acid	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Benzyl alcohol	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Benzyl butyl phthalate	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Bis(2-chloroethoxy)methane	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Bis(2-chloroethyl)ether	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Bis(2-chloroisopropyl)ether	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Bis(2-ethylhexyl)phthalate	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.177	*D*	0.231	*U*
Caprolactam	NA	NA		0.0933	*U*	0.509	*U*	0.0988	*U*	0.0952	*U*	0.461	*U*
Carbazole	NA	NA		0.0798	*JD*	0.715	*D*	0.333	*D*	0.0477	*U*	0.231	*U*
Chrysene	1	3.9		1.56	*D*	**9.73**	*D*	**4.96**	*D*	0.524	*D*	0.708	*D*
Dibenzo(a,h)anthracene	0.33	0.33		**0.351**	*D*	**1.51**	*D*	**1.03**	*D*	0.181	*D*	0.231	*U*
Dibenzofuran	7	59		0.0467	*U*	0.951	*D*	0.09	*JD*	0.0477	*U*	0.231	*U*
Diethyl phthalate	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Dimethyl phthalate	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Di-n-butyl phthalate	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Di-n-octyl phthalate	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Fluoranthene	100	100		2.83	*D*	20.6	*D*	9.53	*D*	0.364	*D*	1.24	*D*
Fluorene	30	100		0.0467	*U*	2.91	*D*	0.271	*D*	0.0477	*U*	0.231	*U*
Hexachlorobenzene	0.33	1.2		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Hexachlorobutadiene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Hexachlorocyclopentadiene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Hexachloroethane	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5		**0.837**	*D*	**5.26**	*D*	**2.56**	*D*	**0.83**	*D*	0.383	*JD*
Isophorone	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Naphthalene	12	100		0.0467	*U*	0.411	*JD*	0.0495	*U*	0.0477	*U*	0.231	*U*
Nitrobenzene	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
N-Nitrosodimethylamine	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
N-nitroso-di-n-propylamine	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
N-Nitrosodiphenylamine	NA	NA		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Pentachlorophenol	0.8	6.7		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Phenanthrene	100	100		1.09	*D*	25.8	*D*	5.54	*D*	0.177	*D*	0.56	*D*
Phenol	0.33	100		0.0467	*U*	0.255	*U*	0.0495	*U*	0.0477	*U*	0.231	*U*
Pyrene	100	100		2.8	*D*	18.8	*D*	9.57	*D*	0.902	*D*	1.6	*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 3: SVOCs in Soils

NYSDEC BCP Site: C231141

GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)		**Sample ID**	**B-04 (13-15)**		**B-05 (0-2)**		**B-06 (13-15)**		**B-07 (0-2)**		**B-07 (13-15)**	
U= Not Detected ≥ indicated value		Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**		Dilution Factor	20		5		2		10		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA	0.0847	*JD*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
1,2-Dichlorobenzene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
1,3-Dichlorobenzene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
1,4-Dichlorobenzene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2,3,4,6-Tetrachlorophenol	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
2,4,5-Trichlorophenol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2,4,6-Trichlorophenol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2,4-Dichlorophenol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2,4-Dimethylphenol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2,4-Dinitrophenol	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
2,4-Dinitrotoluene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2,6-Dinitrotoluene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2-Chloronaphthalene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2-Chlorophenol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2-Methylnaphthalene	NA	NA	0.187	*D*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0736	*JD*
2-Methylphenol	0.33	100	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
2-Nitroaniline	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
2-Nitrophenol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
3- & 4-Methylphenols	0.33	100	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
3,3'-Dichlorobenzidine	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
3-Nitroaniline	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
4-Chloro-3-methylphenol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
4-Chloroaniline	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
4-Nitroaniline	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
4-Nitrophenol	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
Acenaphthene	20	100	1.05	*D*	0.0737	*JD*	0.0608	*U*	0.248	*U*	0.0501	*U*
Acenaphthylene	100	100	0.562	*D*	0.124	*D*	0.0608	*U*	0.248	*U*	0.056	*JD*
Acetophenone	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Aniline	NA	NA	0.228	*U*	0.185	*U*	0.243	*U*	0.989	*U*	0.2	*U*
Anthracene	100	100	3.84	*D*	0.402	*D*	0.0608	*U*	0.509	*D*	0.0576	*JD*
Atrazine	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Benzaldehyde	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Benzidine	NA	NA	0.228	*U*	0.185	*U*	0.243	*U*	0.989	*U*	0.2	*U*
Benzo(a)anthracene	1	1	**9.55**	*D*	**2.22**	*D*	0.0608	*U*	**2.39**	*D*	0.165	*D*
Benzo(a)pyrene	1	1	**8.54**	*D*	**2.15**	*D*	0.0608	*U*	**1.69**	*D*	0.161	*D*
Benzo(b)fluoranthene	1	1	**6.96**	*D*	**2.3**	*D*	0.0608	*U*	**1.5**	*D*	0.0501	*U*
Benzo(g,h,i)perylene	100	100	5.16	*D*	0.98	*D*	0.0608	*U*	1.15	*D*	0.13	*D*
Benzo(k)fluoranthene	0.8	3.9	**6.15**	*D*	1.67	*D*	0.0608	*U*	1.33	*D*	0.0501	*U*
Benzoic acid	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Benzyl alcohol	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Benzyl butyl phthalate	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.734	*D*	0.0501	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Bis(2-ethylhexyl)phthalate	NA	NA	0.0571	*U*	0.0612	*JD*	0.0608	*U*	0.474	*JD*	0.287	*D*
Caprolactam	NA	NA	0.114	*U*	0.0922	*U*	0.121	*U*	0.494	*U*	0.1	*U*
Carbazole	NA	NA	0.665	*D*	0.105	*D*	0.0608	*U*	0.248	*U*	0.0501	*U*
Chrysene	1	3.9	**9.15**	*D*	2.18	*D*	0.0608	*U*	2.23	*D*	0.141	*D*
Dibenzo(a,h)anthracene	0.33	0.33	**0.982**	*D*	0.239	*D*	0.0608	*U*	0.292	*JD*	0.0501	*U*
Dibenzofuran	7	59	0.417	*D*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Diethyl phthalate	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Dimethyl phthalate	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Di-n-butyl phthalate	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Di-n-octyl phthalate	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Fluoranthene	100	100	19.3	*D*	3.45	*D*	0.0608	*U*	4.45	*D*	0.234	*D*
Fluorene	30	100	1.07	*D*	0.07	*JD*	0.0608	*U*	0.248	*U*	0.0501	*U*
Hexachlorobenzene	0.33	1.2	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Hexachlorobutadiene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Hexachlorocyclopentadiene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Hexachloroethane	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	**4.43**	*D*	**0.901**	*D*	0.0608	*U*	**0.983**	*D*	0.102	*D*
Isophorone	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Naphthalene	12	100	0.261	*D*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Nitrobenzene	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
N-Nitrosodimethylamine	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
N-Nitrosodiphenylamine	NA	NA	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Pentachlorophenol	0.8	6.7	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Phenanthrene	100	100	16.6	*D*	1.29	*D*	0.0608	*U*	1.97	*D*	0.281	*D*
Phenol	0.33	100	0.0571	*U*	0.0462	*U*	0.0608	*U*	0.248	*U*	0.0501	*U*
Pyrene	100	100	18.4	*D*	3.55	*D*	0.0608	*U*	4.5	*D*	0.237	*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 3: SVOCs in Soils
NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)			**Sample ID**	**B-08 (0-2)**		**B-09 (0-2)**		**B-09 (13-15)**	
U= Not Detected ≥ indicated value			Sample Date	(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**			Dilution Factor	10		10		2	
SVOCs, 8270	**UUSCO**	**RRUSCO**		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1'-Biphenyl	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
1,2,4,5-Tetrachlorobenzene	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
1,2,4-Trichlorobenzene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
1,2-Dichlorobenzene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
1,2-Diphenylhydrazine (Azobenzene)	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
1,3-Dichlorobenzene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
1,4-Dichlorobenzene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2,3,4,6-Tetrachlorophenol	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
2,4,5-Trichlorophenol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2,4,6-Trichlorophenol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2,4-Dichlorophenol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2,4-Dimethylphenol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2,4-Dinitrophenol	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
2,4-Dinitrotoluene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2,6-Dinitrotoluene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2-Chloronaphthalene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2-Chlorophenol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
2-Methylnaphthalene	NA	NA		0.245	*U*	0.237	*U*	0.0831	*JD*
2-Methylphenol	0.33	100		0.245	*U*	0.237	*U*	0.0532	*U*
2-Nitroaniline	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
2-Nitrophenol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
3- & 4-Methylphenols	0.33	100		0.245	*U*	0.237	*U*	0.0532	*U*
3,3'-Dichlorobenzidine	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
3-Nitroaniline	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
4,6-Dinitro-2-methylphenol	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
4-Bromophenyl phenyl ether	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
4-Chloro-3-methylphenol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
4-Chloroaniline	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
4-Chlorophenyl phenyl ether	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
4-Nitroaniline	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
4-Nitrophenol	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
Acenaphthene	20	100		0.245	*U*	0.237	*U*	0.228	*D*
Acenaphthylene	100	100		0.245	*U*	0.237	*U*	0.056	*JD*
Acetophenone	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Aniline	NA	NA		0.98	*U*	0.947	*U*	0.212	*U*
Anthracene	100	100		0.434	*JD*	0.454	*JD*	0.603	*D*
Atrazine	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Benzaldehyde	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Benzidine	NA	NA		0.98	*U*	0.947	*U*	0.212	*U*
Benzo(a)anthracene	1	1		**1.3**	*D*	**2.33**	*D*	**1.19**	*D*
Benzo(a)pyrene	1	1		**1.32**	*D*	**2.25**	*D*	**1.09**	*D*
Benzo(b)fluoranthene	1	1		**1.09**	*D*	**1.97**	*D*	0.963	*D*
Benzo(g,h,i)perylene	100	100		0.583	*D*	0.983	*D*	0.65	*D*
Benzo(k)fluoranthene	0.8	3.9		1.07	*D*	1.68	*D*	0.959	*D*
Benzoic acid	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Benzyl alcohol	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Benzyl butyl phthalate	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Bis(2-chloroethoxy)methane	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Bis(2-chloroethyl)ether	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Bis(2-chloroisopropyl)ether	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Bis(2-ethylhexyl)phthalate	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Caprolactam	NA	NA		0.489	*U*	0.473	*U*	0.106	*U*
Carbazole	NA	NA		0.245	*U*	0.237	*U*	0.159	*D*
Chrysene	1	3.9		1.16	*D*	2.25	*D*	1.11	*D*
Dibenzo(a,h)anthracene	0.33	0.33		0.245	*U*	**0.408**	*JD*	0.235	*D*
Dibenzofuran	7	59		0.245	*U*	0.237	*U*	0.105	*JD*
Diethyl phthalate	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Dimethyl phthalate	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Di-n-butyl phthalate	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Di-n-octyl phthalate	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Fluoranthene	100	100		2.15	*D*	3.48	*D*	2.64	*D*
Fluorene	30	100		0.245	*U*	0.237	*U*	0.22	*D*
Hexachlorobenzene	0.33	1.2		0.245	*U*	0.237	*U*	0.0532	*U*
Hexachlorobutadiene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Hexachlorocyclopentadiene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Hexachloroethane	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5		0.458	*JD*	**1.04**	*D*	**0.56**	*D*
Isophorone	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Naphthalene	12	100		0.245	*U*	0.237	*U*	0.0532	*U*
Nitrobenzene	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
N-Nitrosodimethylamine	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
N-nitroso-di-n-propylamine	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
N-Nitrosodiphenylamine	NA	NA		0.245	*U*	0.237	*U*	0.0532	*U*
Pentachlorophenol	0.8	6.7		0.245	*U*	0.237	*U*	0.0532	*U*
Phenanthrene	100	100		1.4	*D*	1.06	*D*	2.95	*D*
Phenol	0.33	100		0.245	*U*	0.237	*U*	0.0532	*U*
Pyrene	100	100		2.29	*D*	3.96	*D*	2.22	*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 4: TAL Metals in Soils

NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)		**Sample ID**	**B-01 (0-2)**		**B-01 (13-15)**		**B-02 (0-2)**		**B-03 (0-2)**		**B-04 (0-2)**	
U= Not Detected ≥ indicated value		Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	6,900	*B*	11,600	*B*	8,090	*B*	7,250	*B*	6,370	*B*
Antimony	NA	NA	0.559	*U*	1.23		1.71		0.57	*U*	0.577	
Arsenic	13	16	4.36		4.44		5.09		4.32		5.07	
Barium	350	400	66.6		166		90		260		68.9	
Beryllium	7.2	72	0.177		0.381		0.223		0.178		0.131	
Cadmium	2.5	4.3	0.516		0.808		2.15		1.09		0.332	*U*
Calcium	NA	NA	74,000		54,000		72,300		43,700		53,800	
Chromium	30	180	17		11.4		19.4		11.4		18.7	
Cobalt	NA	NA	4.42		4.91		7.03		3.95		5.24	
Copper	50	270	20.6		70		36		30.5		31.6	
Iron	NA	NA	10,000		20,100		18,400		12,200		12,700	
Lead	63	400	154		394		**450**		141		42.9	
Magnesium	NA	NA	8,750		3,630		7,900		3,620		9,800	
Manganese	1,600	2,000	174		479		299		174		231	
Mercury	0.18	0.81	0.0948		0.0807		0.228		0.176		0.0857	
Nickel	30	310	11.6		12.1		16.5		11		13.3	
Potassium	NA	NA	736		1,440		743		1,540		1,260	
Selenium	3.9	180	1.12	*U*	1.22	*U*	1.18	*U*	1.14	*U*	1.11	*U*
Silver	2	180	0.559	*U*	0.61	*U*	0.592	*U*	0.57	*U*	0.553	*U*
Sodium	NA	NA	588	*B*	1,520	*B*	634	*B*	936	*B*	308	*B*
Thallium	NA	NA	1.12	*U*	1.22	*U*	1.18	*U*	1.14	*U*	1.11	*U*
Vanadium	NA	NA	16.9		18.3		17.4		17.8		20.5	
Zinc	109	10,000	142		261		834		150		67.5	

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: TAL Metals in Soils

NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)		**Sample ID**	**B-04 (13-15)**		**B-05 (0-2)**		**B-06 (13-15)**		**B-07 (0-2)**		**B-07 (13-15)**	
U= Not Detected ≥ indicated value		Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	10,500	*B*	6,710	*B*	24,100	*B*	7,010	*B*	13,300	*B*
Antimony	NA	NA	1.94		1.44		5.6		0.592	*U*	10.6	
Arsenic	13	16	4.76		4.18		2.29		4.84		1.65	
Barium	350	400	110		62.8		275		**444**		231	
Beryllium	7.2	72	0.306		0.166		0.145	*U*	0.189		0.12	*U*
Cadmium	2.5	4.3	0.636		0.332	*U*	0.823		0.902		0.579	
Calcium	NA	NA	61,400		75,100		7,520		55,100		32,500	
Chromium	30	180	12.2		18.2		76.3		19.3		41.1	
Cobalt	NA	NA	5.24		5.51		51.5		4.84		15.8	
Copper	50	270	21.3		30.2		73.5		28.4		36.2	
Iron	NA	NA	13,300		10,800		63,900		16,200		28,100	
Lead	63	400	281		69.4		2.31		176		8.1	
Magnesium	NA	NA	6,810		12,700		12,800		6,720		10,900	
Manganese	1,600	2,000	264		194		414		217		317	
Mercury	0.18	0.81	0.22		0.086		0.0436	*U*	0.376		0.036	*U*
Nickel	30	310	13.3		14		98.4		16.5		28	
Potassium	NA	NA	1,550		1,040		12,800		599		7,590	
Selenium	3.9	180	1.37	*U*	2.1		1.45	*U*	1.18	*U*	1.2	*U*
Silver	2	180	0.683	*U*	0.553	*U*	0.727	*U*	0.592	*U*	0.6	*U*
Sodium	NA	NA	1,370	*B*	574	*B*	596	*B*	649	*B*	410	*B*
Thallium	NA	NA	1.37	*U*	1.11	*U*	1.45	*U*	1.18	*U*	1.2	*U*
Vanadium	NA	NA	16.4		18.6		132		17.4		73.1	
Zinc	109	10,000	220		146		83.1		301		67	

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: TAL Metals in Soils

NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)		**Sample ID**	**B-08 (0-2)**		**B-09 (0-2)**		**B-09 (13-15)**	
U= Not Detected ≥ indicated value		Sample Date	(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
Metals, 6010 and 7473	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	7,740	*B*	5,720	*B*	7,210	*B*
Antimony	NA	NA	0.989		1.06		40.8	
Arsenic	13	16	4.83		5.2		1.9	
Barium	350	400	121		65.7		77.2	
Beryllium	7.2	72	0.2		0.132		0.127	*U*
Cadmium	2.5	4.3	0.353		0.341		0.414	
Calcium	NA	NA	66,100		79,300		39,200	
Chromium	30	180	18.7		20.8		30.3	
Cobalt	NA	NA	5.19		4.22		7.75	
Copper	50	270	22.8		24.2		73.6	
Iron	NA	NA	12,100		8,660		15,200	
Lead	63	400	65		72.5		57.8	
Magnesium	NA	NA	9,970		14,500		6,020	
Manganese	1,600	2,000	211		191		219	
Mercury	0.18	0.81	0.231		0.158		**1.81**	
Nickel	30	310	14.4		12.4		15.8	
Potassium	NA	NA	947		798		1,980	
Selenium	3.9	180	1.18	*U*	7.02		1.27	*U*
Silver	2	180	0.589	*U*	0.567	*U*	0.636	*U*
Sodium	NA	NA	390	*B*	347	*B*	778	*B*
Thallium	NA	NA	1.18	*U*	1.13	*U*	1.27	*U*
Vanadium	NA	NA	21.8		16.2		21.7	
Zinc	109	10,000	90.4		104		127	

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 5: Pesticides and PCBs in Soils
NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)			**Sample ID**	**B-01 (0-2)**		**B-01 (13-15)**		**B-02 (0-2)**		**B-03 (0-2)**		**B-04 (0-2)**	
U= Not Detected ≥ indicated value			Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)	
Data above SCOs shown in **Bold**			Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00527	*D*	0.00201	*U*	0.00195	*U*	0.00782	*DP*	0.00182	*U*
4,4'-DDE	0.0033	8.9	0.00184	*U*	0.00877	*DP*	0.0125	*D*	0.00575	*DP*	0.00182	*U*
4,4'-DDT	0.0033	7.9	0.0115	*D*	0.054	*D*	0.0503	*D*	0.00658	*D*	0.0117	*D*
Aldrin	0.005	0.097	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
alpha-BHC	0.02	0.48	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
alpha-Chlordane	0.094	4.2	0.0127	*D*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.014	*D*
beta-BHC	0.036	0.36	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Chlordane (total)	NA	NA	0.0369	*U*	0.0402	*U*	0.039	*U*	0.0376	*U*	0.0363	*U*
delta-BHC	0.04	100	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Dieldrin	0.005	0.2	0.0139	*D*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00322	*D*
Endosulfan I	2.4	24	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Endosulfan II	2.4	24	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Endosulfan sulfate	2.4	24	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Endrin	0.014	11	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Endrin aldehyde	NA	NA	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Endrin ketone	NA	NA	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
gamma-Chlordane	NA	NA	0.0107	*D*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00932	*DP*
Heptachlor	0.042	2.1	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Heptachlor Epoxide	NA	NA	0.00184	*U*	0.00201	*U*	0.00195	*U*	0.00188	*U*	0.00182	*U*
Methoxychlor	NA	NA	0.00922	*U*	0.01	*U*	0.00975	*U*	0.0094	*U*	0.00908	*U*
Toxaphene	NA	NA	0.0933	*U*	0.102	*U*	0.0987	*U*	0.0952	*U*	0.0919	*U*

			Sample ID	**B-01 (0-2)**		**B-01 (13-15)**		**B-02 (0-2)**		**B-03 (0-2)**		**B-04 (0-2)**	
			Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)		(2018-07-24)	
			Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0186	*U*	0.0203	*U*	0.0197	*U*	0.019	*U*	0.0183	*U*
Aroclor 1221	0.1	1.00	0.0186	*U*	0.0203	*U*	0.0197	*U*	0.019	*U*	0.0183	*U*
Aroclor 1232	0.1	1.00	0.0186	*U*	0.0203	*U*	0.0197	*U*	0.019	*U*	0.0183	*U*
Aroclor 1242	0.1	1.00	0.0186	*U*	0.0203	*U*	0.0197	*U*	0.019	*U*	0.0183	*U*
Aroclor 1248	0.1	1.00	0.0186	*U*	0.0203	*U*	0.0549		0.0597		0.0381	
Aroclor 1254	0.1	1.00	0.0186	*U*	0.0203	*U*	0.0197	*U*	0.019	*U*	0.0183	*U*
Aroclor 1260	0.1	1.00	0.0253		0.0203	*U*	0.0305		0.0213		0.0183	*U*
Aroclor, Total	0.1	1.00	0.0253		0.0203	*U*	0.0854		0.0809	*P*	0.0381	

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: Pesticides and PCBs in Soils
NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)			**Sample ID**	**B-04 (13-15)**		**B-05 (0-2)**		**B-06 (13-15)**		**B-07 (0-2)**		**B-07 (13-15)**	
U= Not Detected ≥ indicated value			Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**			Dilution Factor	5		5		5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
4,4'-DDE	0.0033	8.9	0.00735	*DP*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
4,4'-DDT	0.0033	7.9	0.0256	*DP*	0.0221	*D*	0.0024	*U*	0.0813	*D*	0.00197	*U*
Aldrin	0.005	0.097	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
alpha-BHC	0.02	0.48	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
alpha-Chlordane	0.094	4.2	0.00224	*U*	0.0113	*D*	0.0024	*U*	0.00195	*U*	0.00197	*U*
beta-BHC	0.036	0.36	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Chlordane (total)	NA	NA	0.0448	*U*	0.0364	*U*	0.048	*U*	0.039	*U*	0.0394	*U*
delta-BHC	0.04	100	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Dieldrin	0.005	0.2	0.00661	*D*	0.00567	*D*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Endosulfan I	2.4	24	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Endosulfan II	2.4	24	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Endosulfan sulfate	2.4	24	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Endrin	0.014	11	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Endrin aldehyde	NA	NA	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Endrin ketone	NA	NA	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
gamma-BHC (Lindane)	0.1	1.3	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
gamma-Chlordane	NA	NA	0.00224	*U*	0.00803	*DP*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Heptachlor	0.042	2.1	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Heptachlor Epoxide	NA	NA	0.00224	*U*	0.00182	*U*	0.0024	*U*	0.00195	*U*	0.00197	*U*
Methoxychlor	NA	NA	0.0112	*U*	0.00911	*U*	0.012	*U*	0.00974	*U*	0.00985	*U*
Toxaphene	NA	NA	0.113	*U*	0.0922	*U*	0.121	*U*	0.0986	*U*	0.0996	*U*

			Sample ID	**B-04 (13-15)**		**B-05 (0-2)**		**B-06 (13-15)**		**B-07 (0-2)**		**B-07 (13-15)**	
			Sample Date	(2018-07-24)		(2018-07-24)		(2018-07-27)		(2018-07-27)		(2018-07-27)	
			Dilution Factor	1		1		1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0226	*U*	0.0184	*U*	0.0242	*U*	0.0197	*U*	0.0199	*U*
Aroclor 1221	0.1	1.00	0.0226	*U*	0.0184	*U*	0.0242	*U*	0.0197	*U*	0.0199	*U*
Aroclor 1232	0.1	1.00	0.0226	*U*	0.0184	*U*	0.0242	*U*	0.0197	*U*	0.0199	*U*
Aroclor 1242	0.1	1.00	0.0226	*U*	0.0184	*U*	0.0242	*U*	0.0197	*U*	0.0199	*U*
Aroclor 1248	0.1	1.00	0.0226	*U*	0.0528	*P*	0.0242	*U*	0.0197	*U*	0.0199	*U*
Aroclor 1254	0.1	1.00	0.0226	*U*	0.0184	*U*	0.0242	*U*	0.327		0.0199	*U*
Aroclor 1260	0.1	1.00	0.0252		0.0347		0.0242	*U*	0.0658		0.0199	*U*
Aroclor, Total	0.1	1.00	0.0252		0.0876		0.0242	*U*	0.392		0.0199	*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: Pesticides and PCBs in Soils
NYSDEC BCP Site: C231141
GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in mg/Kg (ppm)			**Sample ID**	**B-08 (0-2)**		**B-09 (0-2)**		**B-09 (13-15)**	
U= Not Detected ≥ indicated value			Sample Date	(2018-07-27)		(2018-07-27)		(2018-07-27)	
Data above SCOs shown in **Bold**			Dilution Factor	5		5		5	
Pesticides, 8081	**UUSCO**	**RRUSCO**		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	13		0.00194	*U*	0.00594	*D*	0.00209	*U*
4,4'-DDE	0.0033	8.9		0.00194	*U*	0.00187	*U*	0.00209	*U*
4,4'-DDT	0.0033	7.9		0.0117	*D*	0.0143	*D*	0.00482	*DP*
Aldrin	0.005	0.097		0.00194	*U*	0.00187	*U*	0.00209	*U*
alpha-BHC	0.02	0.48		0.00194	*U*	0.00187	*U*	0.00209	*U*
alpha-Chlordane	0.094	4.2		0.00194	*U*	0.00628	*D*	0.00209	*U*
beta-BHC	0.036	0.36		0.00194	*U*	0.00187	*U*	0.00209	*U*
Chlordane (total)	NA	NA		0.0387	*U*	0.0373	*U*	0.0418	*U*
delta-BHC	0.04	100		0.00194	*U*	0.00187	*U*	0.00209	*U*
Dieldrin	0.005	0.2		0.00194	*U*	0.00293	*D*	0.00209	*U*
Endosulfan I	2.4	24		0.00194	*U*	0.00187	*U*	0.00209	*U*
Endosulfan II	2.4	24		0.00194	*U*	0.00187	*U*	0.00209	*U*
Endosulfan sulfate	2.4	24		0.00194	*U*	0.00187	*U*	0.00209	*U*
Endrin	0.014	11		0.00194	*U*	0.00187	*U*	0.00209	*U*
Endrin aldehyde	NA	NA		0.00194	*U*	0.00187	*U*	0.00209	*U*
Endrin ketone	NA	NA		0.00194	*U*	0.00187	*U*	0.00209	*U*
gamma-BHC (Lindane)	0.1	1.3		0.00194	*U*	0.00187	*U*	0.00209	*U*
gamma-Chlordane	NA	NA		0.00194	*U*	0.00553	*DP*	0.00209	*U*
Heptachlor	0.042	2.1		0.00194	*U*	0.00187	*U*	0.00209	*U*
Heptachlor Epoxide	NA	NA		0.00194	*U*	0.00187	*U*	0.00209	*U*
Methoxychlor	NA	NA		0.00968	*U*	0.00933	*U*	0.0104	*U*
Toxaphene	NA	NA		0.098	*U*	0.0945	*U*	0.106	*U*

			Sample ID	**B-08 (0-2)**		**B-09 (0-2)**		**B-09 (13-15)**	
			Sample Date	(2018-07-27)		(2018-07-27)		(2018-07-27)	
			Dilution Factor	1		1		1	
PCBs, 8082	**UUSCO**	**RRUSCO**		*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00		0.0195	*U*	0.0188	*U*	0.0211	*U*
Aroclor 1221	0.1	1.00		0.0195	*U*	0.0188	*U*	0.0211	*U*
Aroclor 1232	0.1	1.00		0.0195	*U*	0.0188	*U*	0.0211	*U*
Aroclor 1242	0.1	1.00		0.0195	*U*	0.0188	*U*	0.0211	*U*
Aroclor 1248	0.1	1.00		0.0195	*U*	0.0243		0.0302	
Aroclor 1254	0.1	1.00		0.0195	*U*	0.0188	*U*	0.0211	*U*
Aroclor 1260	0.1	1.00		0.0195	*U*	0.0188		0.0211	*U*
Aroclor, Total	0.1	1.00		0.0195	*U*	0.0243		0.0302	

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 6: VOCs in Groundwater

NYSDEC BCP Site: C231141

GBTS File: KM17075

GALLAGHER BASSETT | TECHNICAL SERVICES

All data in µg/L (parts per billion, ppb)	**Sample ID**	**B2W (D)**		**B6W (S)**		**B8W (D)**		**B9W (S)**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-08)		(2018-08-08)		(2018-08-08)		(2018-08-08)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
VOCs, 8260	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1,2-tetrachloroethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,1,1-trichloroethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,1,2,2-tetrachloroethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,1,2-trichloroethane	1	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,1-dichloroethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,1-dichloroethylene (1,1-DCE)	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,1-dichloropropene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2,3-trichlorobenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2,3-trichloropropane	0.04	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2,4,5-tetramethylbenzene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2,4-trichlorobenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2,4-trimethylbenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2-dibromo-3-chloropropane	0.04	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2-dibromoethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2-dichlorobenzene	3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2-dichloroethane	0.6	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2-dichloroethene, Total		ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2-dichloropropane	1	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,3,5-trimethylbenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,3-dichlorobenzene	3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,3-dichloropropane		ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,3-dichloropropene, Total		ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,4-dichlorobenzene	3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,4-dioxane	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,2-dichloropropane		ND	*U*	ND	*U*	ND	*U*	ND	*U*
2-butanone (MEK)	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2-hexanone (MBK)	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4-methyl-2-pentanone	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
acetone	50	4.6		3.2		2	*J*	2.3	*J*
acrylonitrile	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
benzene	1	ND	*U*	ND	*U*	ND	*U*	ND	*U*
bromobenzene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
bromochloromethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
bromodichloromethane	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
bromoform	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
bromomethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
carbon disulfide	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
carbon tetrachloride	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
chlorobenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
chloroethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
chloroform	7	2.5		**12**		0.98	*J*	4	
chloromethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
cis-1,2-dichloroethylene (cis-DCE)	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
cis-1,3-dichloropropylene	0.4	ND	*U*	ND	*U*	ND	*U*	ND	*U*
dibromochloromethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
dibromomethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
dichlorodifluoromethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
ethyl ether		ND	*U*	ND	*U*	ND	*U*	ND	*U*
ethyl benzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
hexachlorobutadiene	0.5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
isopropylbenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
methyl tert-butyl ether (MTBE)	10	ND	*U*	ND	*U*	ND	*U*	ND	*U*
methylene chloride	5	ND	*U*	1.1		ND	*U*	ND	*U*
n-butylbenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
n-propylbenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
o-Chlorotoluene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
o-xylene (included in total xylenes)	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
p- & m- xylenes (included in total xylenes)	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
p-Chlorotoluene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
p-Diethylbenzene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
p-Ethyltoluene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
p-isopropyltoluene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
sec-butylbenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
styrene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
tert-butylbenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
tetrachloroethylene (PCE)	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
toluene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
trans-1,2-dichloroethylene (trans-DCE)	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
trans-1,3-dichloropropylene	0.4	ND	*U*	ND	*U*	ND	*U*	ND	*U*
trans-1,3-Dichloropropene		ND	*U*	ND	*U*	ND	*U*	ND	*U*
trichloroethylene (TCE)	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
trichlorofluoromethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
vinyl acetate		ND	*U*	ND	*U*	ND	*U*	ND	*U*
vinyl chloride (VC)	2	ND	*U*	ND	*U*	ND	*U*	ND	*U*
xylenes, total	5	ND	*U*	ND	*U*	ND	*U*	ND	*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 7: SVOCs in Groundwater

NYSDEC BCP Site: C231141

GBTS File: KM17075

All data in µg/L (parts per billion, ppb)	**Sample ID**	**B2W (D)**		**B6W (S)**		**B8W (D)**		**B9W (S)**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-08)		(2018-08-08)		(2018-08-08)		(2018-08-08)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
SVOCs, 8270	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4,5-tetrachlorobenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2,4-trichlorobenzene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,2-dichlorobenzene	3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,3-dichlorobenzene	3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
1,4-dichlorobenzene	3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,4,5-trichlorophenol	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,4,6-trichlorophenol	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,4-dichlorophenol	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,4-dimethylphenol	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,4-dinitrophenol	10	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,4-dinitrotoluene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2,6-dinitrotoluene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2-chloronaphthalene	10	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2-chlorophenol	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2-methylnaphthalene	NA	0.34		0.06	*J*	0.13		ND	*U*
2-methylphenol	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2-nitroaniline	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
2-nitrophenol	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
3,3'-dichlorobenzidine	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
3- & 4-methylphenols	NA	0.65		ND	*U*	ND	*U*	ND	*U*
3-nitroaniline	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4,6-dinitro-2-methylphenol	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4-bromophenyl phenyl ether	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4-chloroaniline	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4-chlorophenyl phenyl ether	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4-nitroaniline	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4-nitrophenol	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
acenaphthene	20	0.41		0.11		0.26		ND	*U*
acenaphthylene	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
acetophenone	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
anthracene	50	0.04		0.03	*J*	0.11	*0.11*	0.02	
benzo(a)anthracene	0.002	**0.04**		**0.03**	*J*	**0.04**		**0.03**	
benzo(a)pyrene	ND	ND	*U*	ND	*U*	ND	*U*	ND	*U*
benzo(b)fluoranthene	0.002	ND	*U*	ND	*U*	ND	*U*	ND	*U*
benzo(g,h,i)perylene	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
benzo(k)fluoranthene	0.002	ND	*U*	ND	*U*	ND	*U*	ND	*U*
benzoic acid	NA	10	*10*	8.8	*J*	ND	*U*	ND	*U*
benzyl alcohol	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
biphenyl		ND	*U*	ND	*U*	ND	*U*	ND	*U*
bis(2-chloroethoxy)methane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
bis(2-chloroethyl)ether	1	ND	*U*	ND	*U*	ND	*U*	ND	*U*
bis(2-chloroisopropyl)ether	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
bis(2-ethylhexyl)phthalate	5	ND	*U*	1.6	*J*	ND	*U*	ND	*U*
butyl benzyl phthalate	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
carbazole	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
chrysene	0.002	ND	*U*	ND	*U*	ND	*U*	ND	*U*
dibenzo(a,h)anthracene	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
dibenzofuran	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
diethyl phthalate	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
dimethyl phthalate	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
di-n-butyl phthalate	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
di-n-octyl phthalate	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
fluoranthene	50	0.04		0.03	*J*	0.19		ND	*U*
fluorene	50	0.13		0.06	*J*	0.22		ND	*U*
hexachlorobenzene	0.04	ND	*U*	ND	*U*	ND	*U*	ND	*U*
hexachlorobutadiene	0.5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
hexachlorocyclopentadiene	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
hexachloroethane	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
indeno(1,2,3-cd)pyrene	0.002	ND	*U*	ND	*U*	ND	*U*	ND	*U*
isophorone	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
naphthalene	10	0.6	*0.6*	ND	*U*	0.34		0.09	
NDPA/DPA		ND	*U*	ND	*U*	ND	*U*	ND	*U*
nitrobenzene	0.4	ND	*U*	ND	*U*	ND	*U*	ND	*U*
n-nitroso-di-n-propylamine	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
p-chloro-m-cresol		ND	*U*	ND	*U*	ND	*U*	ND	*U*
pentachlorophenol	1	ND	*U*	ND	*U*	ND	*U*	ND	*U*
phenanthrene	50	0.13		0.1		0.42		0.08	
phenol	1	0.1		ND	*U*	ND	*U*	ND	*U*
pyrene	50	0.05		0.03	*J*	0.15		ND	*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 BCP Site: C231141
GBTS File: KM17075

All data in µg/L (parts per billion, ppb)	**Sample ID**	**B2W (D)**		**B6W (S)**		**B8W (D)**		**B9W (S)**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-08)		(2018-08-08)		(2018-08-08)		(2018-08-08)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
aluminum	NA	67.3		1,910		84		689	
antimony	3	0.67	*J*	1.25	*J*	0.75	*J*	1.47	*J*
arsenic	25	1.97		3.59		0.84		2.67	
barium	1,000	156.9		173.8		116.7		62.98	
beryllium	3	ND	*U*	0.11	*J*	ND	*U*	0.12	*J*
cadmium	5	ND	*U*	ND	*U*	ND	*U*	0.1	*J*
calcium	NA	158,000		57,000		92,800		116,000	
chromium	50	0.89	*J*	4.04		0.53	*J*	0.62	*J*
cobalt	5	2.61		2.24		1.19		1.18	
copper	200	10.33		11.81		3.59		9.52	
iron**	300	**4,060**		**5,480**		**4,780**		**2,500**	
lead	25	8.54		6.22		1.45		5.61	
magnesium	35,000	31,300		15,400		18,400		27,500	
manganese**	300	**853**		112.2		210.8		144.3	
mercury	0.7	ND	*U*	ND	*U*	ND	*U*	ND	*U*
nickel	100	6.52		4.8		1.55	*J*	3.86	
potassium	NA	52,100		26,700		28,500		34,800	
selenium	10	ND	*U*	ND	*U*	ND	*U*	ND	*U*
silver	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
sodium	20,000	**1,360,000**		**177,000**		**294,000**		**139,000**	
thallium	0.5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
vanadium	14	1.59	*J*	7.62		ND	*U*	ND	*U*
zinc	2,000	6.67	*J*	20.02		ND	*U*	13.57	

** 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 BCP Site: C231141
GBTS File: KM17075

All data in µg/L (parts per billion, ppb)	**Sample ID**	**B2W (D)**		**B6W (S)**		**B8W (D)**		**B9W (S)**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-08)		(2018-08-08)		(2018-08-08)		(2018-08-08)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
aluminum	NA	62.7		1,460		9.93		487	
antimony	3	1.01		1.64		0.92		2.59	*J*
arsenic	25	1.36		2.78		0.49		2.35	
barium	1,000	117.4		161.3		101.2		55.65	
beryllium	3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
cadmium	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
calcium	NA	183,000		57,100		98,200		119,000	
chromium	50	0.96		3.22		0.31		0.44	*J*
cobalt	5	2.78		1.85		1.23		1.14	
copper	200	5.62		9.94		2.14		7.44	
iron**	300	**2,880**		**4,230**		133		**1,860**	
lead	25	4.76		5.23		2.54		4.01	
magnesium	35,000	**38,400**		15,500		20,000		32,500	
manganese**	300	**940**		109.9		222		155.2	
mercury	0.7	ND	*U*	ND	*U*	ND	*U*	ND	*U*
nickel	100	6.47		4.61		1.92		3.78	
potassium	NA	59,100		25,000		28,500		34,300	
selenium	10	ND	*U*	ND	*U*	ND	*U*	ND	*U*
silver	50	ND	*U*	ND	*U*	ND	*U*	ND	*U*
sodium	20,000	**1,470,000**		**171,000**		**292,000**		**137,000**	
thallium	0.5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
vanadium	14	1.95	*1.95*	6.05		ND	*U*	ND	*U*
zinc	2,000	5.76	*5.76*	16.21		5.18		10.58	*J*

** 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: Pesticides and PCBs in Groundwater

NYSDEC BCP Site: C231141
GBTS File: KM17075

All data in µg/L (parts per billion, ppb)	**Sample ID**	**B2W (D)**		**B6W (S)**		**B8W (D)**		**B9W (S)**	
U= Not Detected ≥ indicated value	Sample Date	(2018-08-08)		(2018-08-08)		(2018-08-08)		(2018-08-08)	
Data above AWQS shown in **Bold**	Dilution Factor	1		1		1		1	
Pesticides, 8081	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.3	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4,4'-DDE	0.2	ND	*U*	ND	*U*	ND	*U*	ND	*U*
4,4'-DDT	0.2	ND	*U*	ND	*U*	ND	*U*	ND	*U*
aldrin	NE	ND	*U*	ND	*U*	ND	*U*	ND	*U*
alpha-BHC	0.01	ND	*U*	ND	*U*	ND	*U*	ND	*U*
alpha-chlordane	0.05	ND	*U*	ND	*U*	ND	*U*	ND	*U*
beta-BHC	0.04	ND	*U*	ND	*U*	ND	*U*	ND	*U*
chlordane, total	0.05	ND	*U*	ND	*U*	ND	*U*	ND	*U*
delta-BHC	0.04	ND	*U*	ND	*U*	ND	*U*	ND	*U*
dieldrin	0.004	ND	*U*	ND	*U*	ND	*U*	ND	*U*
endosulfan I	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
endosulfan II	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
endosulfan sulfate	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
endrin	NA	ND	*U*	ND	*U*	ND	*U*	ND	*U*
endrin aldehyde	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
endrin ketone	5	ND	*U*	ND	*U*	ND	*U*	ND	*U*
gamma-BHC (lindane)	0.05	ND	*U*	ND	*U*	ND	*U*	ND	*U*
gamma-chlordane	0.05	ND	*U*	ND	*U*	ND	*U*	ND	*U*
heptachlor	0.04	ND	*U*	ND	*U*	ND	*U*	ND	*U*
heptachlor epoxide	0.03	ND	*U*	ND	*U*	ND	*U*	ND	*U*
methoxychlor	35	ND	*U*	ND	*U*	ND	*U*	ND	*U*
toxaphene	0.06	ND	*U*	ND	*U*	ND	*U*	ND	*U*

	Sample ID	**B2W (D)**		**B6W (S)**		**B8W (D)**		**B9W (S)**	
	Sample Date	(2018-08-08)		(2018-08-08)		(2018-08-08)		(2018-08-08)	
	Dilution Factor	1		1		1		1	
PCBs, 8082	**AWQS**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1221	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1232	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1242	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1248	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1254	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1260	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1262	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*
Aroclor 1268	0.09	ND	*U*	ND	*U*	ND	*U*	ND	*U*

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 11: Sample Collection and Submission

NYSDEC BCP Site: C231141

GBTS File: KM17075

Duplicate sampling excluded

SOIL		QUANTITY / NUMBER OF SAMPLES	
		Remedial Investigation	Documented in RIR
Soil Borings Extended		9	9
Samples Submitted to Laboratory		13	13
Breakdown by Analyte Category	*VOCs*	13	13
	SVOCs	13	13
	Metals	13	13
	Pesticides	13	13
	PCBs	13	13
Breakdown by Analysis Grouping	*VOCs/SVOCs+30, TAL Metals, Pesticides, PCBs*	4	4
	SVOCs+20, Metals, Pesticides, PCBs	0	0
	VOCs, SVOCs	0	0
	VOCs, PAHs	0	0
	Metals, Pesticides, PCBs	0	0
	Metals, VOCs	0	0
	Metals	0	0
GROUNDWATER		**Remedial Investigation**	**Documented in RIR**
Borings Converted to Monitoring Wells **(# = temporary monitoring well)**		4	4
Samples Submitted to Laboratory		4	4
Breakdown by Analyte Category	*VOCs*	4	4
	SVOCs	4	4
	Metals (total)	4	4
	Metals - Dissolved	4	4
	Pesticides	4	4
	PCBs	4	4
	VOC/SVOC TICs	0	0
Breakdown by Analysis Grouping	*VOCs/SVOCs+30, Pesticides, PCBs, TAL Metals (total& dissolved)*	4	4
	VOCs	4	4
SOIL VAPOR		**Remedial Investigation**	**Documented in RIR**
Sub-slab/Soil Vapor Implants Sampled for VOCs		5	5

USEPA Methods: VOCs (soil/water) - 8260, SVOCs (soil/water) - 8270
TAL Metals - 6010/741, Pesticides/PCBs - 8081/8081, VOCs (vapor) - TO-15

APPENDIX A

Fieldwork Logs

Soil Boring Log

GALLAGHER BASSETT | TECHNICAL SERVICES

B-01 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141 FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	Brick, concrete, asphalt, wood mixed in brown silty sand	Dry	0.0	ND	ND	ND	**0-2**
5 – 10' (30%)	Brick, concrete, mixed in brown silty sand	Dry	0.0	ND	ND	ND	
10 – 15' (70%)	Brick, concrete, metal mixed in brown silty sand Weathered bedrock at 14'	Dry	2.0	ND	ND	ND	**13-15**

Notes

Fill Materials

~0 - 14'

Field Evidence of Contamination

Poorly mixed urban fill throughout, PID reading (2 ppm) at ~12'

Saturated Soils

N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-02 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (50%)	Brick, concrete, asphalt, mixed in brown silty sand	Dry	0.0	ND	ND	ND	**0-2**
5 – 10' (30%)	Brick, 6" concrete slab at approx. 11', glass, metal, fabric	Dry	4.0	ND	ND	ND	
10 – 15' (0%)	Weathered bedrock at 15'	Dry	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 10'

Field Evidence of Contamination

Poorly mixed urban fill throughout, PID reading (4 ppm) at ~6'

Saturated Soils

N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-03 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	Brick, concrete, asphalt, wood, metal mixed in brown silty sand	Dry	0.0	ND	ND	ND	**0-2**
5 – 10' (60%)	Brick, concrete, asphalt, wood, metal mixed in brown silty sand	Dry	0.0	ND	ND	ND	
10 – 15' (0%)	Weathered bedrock at 15'	Dry	0.0	ND	ND	ND	

Notes

Fill Materials
~0 - 10'

Field Evidence of Contamination
Poorly mixed urban fill throughout

Saturated Soils
N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-04 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	Dense dark brown fine sand to 3' then brick, concrete, asphalt mixed in brown silty sand	Dry	0.0	ND	ND	ND	**0-2**
5 – 10' (30%)	Brick, concrete, metal, wood, mixed in brown silty sand	Dry	0.0	ND	ND	ND	
10 – 15' (70%)	Brick, concrete, glass, fabric mixed in brown silty sand	Dry	5.0	ND	ND	ND	**13-15**

Notes

Fill Materials

~0 - 15'

Field Evidence of Contamination

Poorly mixed urban fill throughout, PID reading (5 ppm) at ~10'

Saturated Soils

N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-05 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (40%)	Brick, concrete, asphalt, mixed in brown silty sand	Dry	0.0	ND	ND	ND	**0-2**
5 – 10' (30%)	Brick, concrete, mixed in brown silty sand	Dry	2.0	ND	ND	ND	
10 – 15' (0%)		Dry	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 10'

Field Evidence of Contamination

Poorly mixed urban fill throughout, PID reading (2 ppm) at ~10'

Saturated Soils

N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-06 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (0%)		Dry	0.0	ND	ND	ND	
5 – 10' (80%)	Brick, concrete, mixed in brown silty sand	Dry	0.0	ND	ND	ND	
10 – 15' (60%)	Brick, concrete, metal mixed in brown silty sand	Dry	0.0	ND	ND	ND	**13-15**

Notes

Fill Materials

~0 - 15'

Field Evidence of Contamination

Poorly mixed urban fill throughout

Saturated Soils

N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-07 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (20%)	Brick, concrete, asphalt, wood mixed in brown silty sand	Dry	6.00	ND	ND	ND	**0-2**
5 – 10' (30%)	Brick, concrete, mixed in brown silty sand	Dry	0.0	ND	ND	ND	
10 – 15' (50%)	Brick, concrete, metal mixed in brown silty sand	Dry	0.0	ND	ND	ND	**13-15**

Notes

Fill Materials

~0 - 15'

Field Evidence of Contamination

Poorly mixed urban fill throughout, PID reading (6 ppm) at ~2'

Saturated Soils

N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-08 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (30%)	Brick, concrete, asphalt, wood mixed in brown silty sand	Dry	0.0	ND	ND	ND	**0-2**
5 – 10' (70%)	Brick, concrete, mixed in brown silty sand	Dry	0.0	ND	ND	ND	
10 – 15' (0%)		Wet'	0.0	ND	ND	ND	

Notes

Fill Materials

~0 - 10'

Field Evidence of Contamination

Poorly mixed urban fill throughout, PID reading (2 ppm) at ~12'

Saturated Soils

N/A

Field Notes

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

GALLAGHER BASSETT | TECHNICAL SERVICES

B-09 (SHEET 1 OF 1)	495 11th Avenue – Remedial Investigation 495 11th Avenue, Manhattan, New York NYSDEC BCP ID: C231141	FILE KM17075.40

BORING INTERVAL (RECOVERY)	SURFACE MATERIAL: ASPHALT (6") SOIL / MATERIAL DESCRIPTION	MOISTURE	PID (PPM)	ODORS	STAINING	NAPL	SAMPLES COLLECTED
0 – 5' (20%)	Brick, concrete, asphalt, wood mixed in brown silty sand	Dry	0.0	ND	ND	ND	**0-2**
5 – 10' (70%)	Brick, concrete, mixed in brown silty sand	Dry	0.0	ND	ND	ND	
10 – 15' (60%)	Brick, concrete, metal mixed in brown silty sand ****Saturated at 13'****	Wet	0.0	ND	ND	ND	**13-15**

Notes

Fill Materials

~0 - 15'

Field Evidence of Contamination

Poorly mixed urban fill throughout

Saturated Soils

13'

Field Notes

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)

WCD GROUP
For pivotal matters.

1350 Broadway, Suite 1904
New York, NY 10018
P: 212.631.9000
F: 212.631.8066

Well Sampling Log

Well ID: B9W(S)
Name:
Date: 8/8/18
Sample Collection Time:
Page 1 of 1

Sample
Sample Collection

Job Name/Client:	495 11th Ave
Project Address:	
Project Number:	

Well Integrity

	YES	NO	NA
Protective Casing Secure	X		
Concrete Collar Intact			X
PVC Stick-up Intact			X
Well Cap Present	X		
Security Lock Present		X	

Height of Top of Casing
0.0 feet below ground surface

Well Diameter
- [ ] 1 inch
- [X] 2 inch
- [ ] 4 inch

Well Construction
- [X] PVC
- [ ] Steel

Well Gauging
- Well Depth (feet) below TOC: 24.9
- Depth to Water (ft) below TOC: 11.43
- Pump Intake Depth (ft) below TOC: 20'
- Height of Water Column (ft):
- Depth to NAPL (ft): NA
- Thickness of NAPL (ft): NA
- Total Gallons Purged: 3 gal.

Reference Point
- [ ] historical
- [ ] notch
- [X] north side
- [X] high pt
- [ ] pen mark

Headspace Screening (ppm)

Background	~~0.0~~ 9.1
Well Mouth	545

Water Quality Measurements

Measurement No.	1	2	3	4	5	6	7	8	9
Time	1040	1045	1050	1055	1100	1105	1110	1115	1120
Temp. (C.)	29.00	25.60	24.83	23.82	23.43	23.20	23.67	23.63	23.58
Conduct. (mS/cm)	0.841	0.921	1.22	1.34	1.39	1.43	1.49	1.47	1.50
DO (mg/L)	2.42	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pH (Std.Units)	8.77	9.43	8.83	8.74	8.64	8.52	8.32	8.30	8.29
ORP (mV)	-143	-193	-203	-188	-179	-170	-157	-154	-152
Turb. (NTU)	425	217	146	107	101	85.8	67.8	58.5	55.6
Flow (ml/min)	230	230	230	230	230	230	230	230	230
Depth to water (ft)	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
Color	turbid	turbid	turbid	turbid	turbid	clr	clr	clr	clr
Odor	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sheen	ND	ND	ND	ND	ND	ND	ND	ND	ND

Measurement No.	10	11	12	13	14	15	16	17	18
Time	1125	1130							
Temp. (C.)	23.57	23.53							
Conduct. (mS/cm)	1.51	1.51							
DO (mg/L)	0.0	0.0							
pH (Std.Units)	8.25	8.24							
ORP (mV)	-150	-149							
Turb. (NTU)	55.3	55.7							
Flow (ml/min)	230	230							
Depth to water (ft)	11.5	11.5							
Color	clr	clr							
Odor	ND	ND							
Sheen	ND	ND							

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: Bailer		

Description of Sampling Equipment

NA - Not applicable
ND - Not detected

Sample @ 1135

WCD GROUP
For pivotal matters.

1350 Broadway, Suite 1904
New York, NY 10018
P: 212.631.9000
F: 212.631.8066

Well Sampling Log

Well ID: BSW(D)
Name:
Date: 8/8/18
Sample Collection Time:
Page 1 of 1

Sample
Sample Collection

Job Name/Client:
Project Address: 495 11th AVE
Project Number:

Well Integrity	YES	NO	NA
Protective Casing Secure	X		
Concrete Collar Intact			X
PVC Stick-up Intact			X
Well Cap Present	X		
Security Lock Present		X	

Height of Top of Casing
0.0 feet below ground surface

Well Diameter
- [ ] 1 inch
- [X] 2 inch
- [ ] 4 inch

Well Construction
- [X] PVC
- [ ] Steel

Well Gauging
Well Depth (feet) below TOC: 38.6'
Depth to Water (ft) below TOC: 12'
Pump Intake Depth (ft) below TOC: 30'
Height of Water Column (ft):
Depth to NAPL (ft): NA
Thickness of NAPL (ft): NA
Total Gallons Purged: 2.25

Reference Point
- [ ] historical
- [ ] notch
- [X] north side
- [ ] high pt
- [ ] pen mark

Headspace Screening (ppm)

Background	7.8
Well Mouth	120.7

Water Quality Measurements

Measurement No.	1	2	3	4	5	6	7	8	9
Time	1200	1205	1210	1215	1220	1225	1230		
Temp. (C.)	31.38	26.39	24.97	24.33	24.97	25.05	24.95		
Conduct. (mS/cm)	1.85	2.05	2.12	2.1	2.1	2.05	2.08		
DO (mg/L)	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
pH (Std.Units)	8.24	8.32	8.31	8.28	8.28	8.27	8.27		
ORP (mV)	-138	-183	-185	-185	-186	-186	-186		
Turb. (NTU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Flow (ml/min)	285	285	285	285	285	285	285		
Depth to water (ft)	12.2	12.2	12.2	12.2	12.2	12.2	12.2		
Color	y/w/clr	y/w/clr	clr	clr	clr	clr	clr		
Odor	ND	ND	ND	ND	ND	ND	ND		
Sheen	ND	ND	ND	ND	ND	ND	ND		

Measurement No.	10	11	12	13	14	15	16	17	18
Time									
Temp. (C.)									
Conduct. (mS/cm)									
DO (mg/L)									
pH (Std.Units)									
ORP (mV)									
Turb. (NTU)									
Flow (ml/min)									
Depth to water (ft)									
Color									
Odor									
Sheen									

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: Bailer		

Description of Sampling Equipment

NA - Not applicable
ND - Not detected

Sample @ 1235

WCD GROUP
For pivotal matters.

1350 Broadway, Suite 1904
New York, NY 10018
P: 212.631.9000
F: 212.631.8066

Well Sampling Log

Well ID: B6W(S) Sample
Name:
Date: Sample Collection
Sample Collection Time: 8/8/18
Page 1 of 1

Job Name/Client:	
Project Address:	495 11th Ave
Project Number:	

Well Integrity

	YES	NO	NA
Protective Casing Secure	X		
Concrete Collar Intact			X
PVC Stick-up Intact			X
Well Cap Present	X		
Security Lock Present		X	

Headspace Screening (ppm)

Background	0.0
Well Mouth	27.6

Height of Top of Casing
0.0 feet below ground surface

Well Diameter
- [ ] 1 inch
- [X] 2 inch
- [ ] 4 inch

Well Construction
- [X] PVC
- [ ] Steel

Well Gauging
- Well Depth (feet) below TOC: 28.8
- Depth to Water (ft) below TOC: 12.18
- Pump Intake Depth (ft) below TOC: 25'
- Height of Water Column (ft):
- Depth to NAPL (ft): NA
- Thickness of NAPL (ft): NA
- Total Gallons Purged: 2 gal

Reference Point
- [ ] historical
- [ ] notch
- [X] north side
- [ ] high pt
- [ ] pen mark

Water Quality Measurements

Measurement No.	1	2	3	4	5	6	7	8	9
Time	1300	1305	1310	1315	1320	1325	1330	1335	1340
Temp. (C.)	30.39	24.17	21.88	21.23	23.601	23.70	23.62	23.35	23.28
Conduct. (mS/cm)	0.513	0.677	0.708	0.1661	0.675	0.852	0.858	0.853	0.859
DO (mg/L)	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
pH (Std.Units)	8.71	8.56	8.45	8.33	8.26	8.23	8.22	8.21	8.21
ORP (mV)	-107	-165	-178	-176	-174	-173	-170	-169	-168
Turb. (NTU)	96.5	77.5	66.1	53.5	62.3	50.3	49.6	48.4	47.4
Flow (ml/min)	190	190	190	190	190	190	190	190	190
Depth to water (ft)	12.8	12.8	12.8	12.9	12.95	13.0	13.1	13.1	13.1
Color	Cldy	Cldy	Cldy	Cldy	Cldy	Cldy	Cldy	Cldy	Cldy
Odor	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sheen	ND	ND	ND	ND	ND	ND	ND	ND	ND

Measurement No.	10	11	12	13	14	15	16	17	18
Time									
Temp. (C.)									
Conduct. (mS/cm)									
DO (mg/L)									
pH (Std.Units)									
ORP (mV)									
Turb. (NTU)									
Flow (ml/min)									
Depth to water (ft)									
Color									
Odor									
Sheen									

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: Bailer		

Description of Sampling Equipment

NA - Not applicable
ND - Not detected

Sample @ B45

WCD GROUP *For pivotal matters.*	1350 Broadway, Suite 1904 New York, NY 10018 P: 212.631.9000 F: 212.631.8066	Well Sampling Log	Well ID: ~~B1W(S)~~ B2W(D) Name: Date: 5/8/18 Sample Collection Time: Page 1 of 1	Sample Sample Collection

Job Name/Client:	
Project Address:	495 11th Ave
Project Number:	

Well Integrity

	YES	NO	NA
Protective Casing Secure	X		
Concrete Collar Intact			X
PVC Stick-up Intact			X
Well Cap Present	X		
Security Lock Present		X	

Height of Top of Casing
0.0 feet below ground surface

Well Diameter
- [ ] 1 inch
- [X] 2 inch
- [ ] 4 inch

Well Construction
- [X] PVC
- [ ] Steel

Well Gauging
- Well Depth (feet) below TOC: 31.75
- Depth to Water (ft) below TOC: 11.68
- Pump Intake Depth (ft) below TOC:
- Height of Water Column (ft):
- Depth to NAPL (ft): NA
- Thickness of NAPL (ft): NA
- Total Gallons Purged: 2.25 gal

Reference Point
- [ ] historical
- [ ] notch
- [X] north side
- [X] high pt
- [ ] pen mark

Headspace Screening (ppm)

Background	3.4
Well Mouth	396.4

Water Quality Measurements

Measurement No.	1	2	3	4	5	6	7	8	9
Time	1400	1405	1410	1415	1420	1425	1430	1435	
Temp. (C.)	29.45	23.15	22.60	22.29	22.16	22.10	22.11	22.10	
Conduct. (mS/cm)	15.05	19.00	15.10	10.30	10.00	9.83	9.34	9.240	
DO (mg/L)	0.88	0.0	0.0	0.10	0.0	0.0	0.0	0.0	
pH (Std.Units)	7.33	7.39	7.47	7.53	7.56	7.59	7.60	7.60	
ORP (mV)	-96	-134	-154	-181	-223	-221	-224	-223	
Turb. (NTU)	11.3	8.8	8.7	11.0	11.7	4.4	4.5	4.4	
Flow (ml/min)	270	270	270	270	270	270	270	270	
Depth to water (ft)	11.81	11.82	11.85	11.85	11.85	11.860	11.860	11.860	
Color	Blk/clr	Blk/clr	Blk/clr	Blk/clr	Blk/clr	B/clr	B/clr	B/clr	
Odor		See	Below						
Sheen									

Measurement No.	10	11	12	13	14	15	16	17	18
Time									
Temp. (C.)									
Conduct. (mS/cm)									
DO (mg/L)									
pH (Std.Units)									
ORP (mV)									
Turb. (NTU)									
Flow (ml/min)									
Depth to water (ft)									
Color									
Odor									
Sheen									

Pump Type	Purge	Sample	~~Description of Sampling Equipment~~
Peristaltic Pump	X	X	Color: Blackish / clear
Submersible Pump			odor: organic type odor
Bladder Pump			sheen: Slight sheen observed
Other: Bailer			

NA - Not applicable
ND - Not detected

Sample collected @ 1440

APPENDIX B

Data Usability Summary Report

Data Usability Summary Report

GBTS Project # KM17075
495 11th Ave
New York, New York

Samples Collected
July 2018

Data Reviewed April 2020

ZDataReports
Data Management and Validation Services
118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

Data Usability Summary Report

Samples Collected
July/August 2018

GBTS Project # KM17075
495 11th Ave
New York, New York

Prepared By:

ZDataReports
Data Management and Validation Service
118 Rose Lane Terrace
Syracuse, New York 13219

EXECUTIVE SUMMARY

This report addresses data quality for five soil vapor samples and thirteen soil samples collected at 495 11th Ave, New York, New York (GBTS Project# KM17075). The samples were analyzed for Volatile organics (VOC), Semivolatile organics (SVOC), PCB/Pesticides, TAL Metals following New York State Department of Environmental Conservation (NYSDEC). Analytical services for the water samples were provided by York Analytical Laboratories, Inc. located in Stratford, Connecticut.

The inorganics analyses have been determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several analytes were qualified based on matrix spike recoveries, serial dilution recoveries and laboratory duplicate analysis criteria.

The volatile organics analyses data were determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several compounds were also qualified based on deviations from initial and continuing calibration criteria, surrogate recoveries, internal standard recoveries and laboratory control sample criteria.

The semivolatile organics analyses data were determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several compounds were qualified based on deviations from continuing calibration deviations.

The Pesticide analyses data were determined to be usable for qualitative and quantitative purposes with no exceptions. Several compounds were qualified as estimated detection limit (UJ) due to deviations in surrogate recovery criteria.

The PCBs analyses data were determined to be usable for qualitative and quantitative purposes as reported.

The overall percent usability or completeness of the data was 100 percent.

TABLE of CONTENTS

SECTION 1 - INTRODUCTION 1
1.1 Introduction 1
1.2 Analytical Methods 1
1.3 Validation Protocols 1
1.3.1 Inorganic Parameters 2
1.3.2 Organic Parameters 3
SECTION 2 - DATA VALIDATION SUMMARY 5
2.1 Inorganics Analysis 5
2.2 Volatiles Analysis 6
2.3 Semivolatiles Analysis 9
2.4 Pesticides/PCBs Analyses 9
3.1 Data Usability 11
3.2 PARCC Evaluation 11
3.2.1 Precision 11
3.2.2 Accuracy 11
3.2.3 Representativeness 11
3.2.4 Comparability 12
3.2.5 Completeness 12

Appendices

Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for five soil vapor samples and thirteen soil samples collected at 495 11th Ave, New York, New York (GBTS Project# KM17075). The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), Pesticide/PCB, TAL Metals following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Gallagher Basset Technical Services of Poughkeepsie, New York. Analytical services for water samples were provided by York Analytical Laboratories, Inc. located in Stratford, Connecticut. The quantity and types of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Matrix	Sample Identification	
			Client ID	Laboratory ID
18G0854	7/18/2018	Soil Vapor	SV-01	18G0854-01
			SV-02	18G0854-02
			SV-03	18G0854-03
			SV-04	18G0854-04
			SV-05	18G0854-05
18H0143	7/24/2018	Soil	B-01 0-2	18H0143-01
			B-01 13-15	18H0143-02
			B-02 0-2	18H0143-03
			B-03 0-2	18H0143-04
			B-04 0-2	18H0143-05
			B-04 13-15	18H0143-06
			B-05 0-2	18H0143-07
	7/27/2018	Soil	B-06 13-15	18H0143-08
			B-07 0-2	18H0143-09
			B-07 13-15	18H0143-10
			B-08 0-2	18H0143-11
			B-09 0-2	18H0143-12
			B-09 13-15	18H0143-13
L1830815	08/08/2018	Water	B9W(S)	L1830815-01
			B8W(D)	L1830815-02
			B6W(S)	L1830815-03
			B2W(D)	L1830815-04

1.2 Analytical Methods

The samples were analyzed for volatile organics (EPA 8260C and TO-15), semivolatiles (EPA 8270C/D), Pesticides (EPA 8081B), PCBs (EPA 8082A) and Metals (EPA 6010C/7473) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by Alpha Analytical Laboratory located in Westborough, Massachusetts.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, USEPA-540-R-08-01, June 2008.

- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.

- *Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3*, SOP No. HW-2, Revision #13, USEPA Region II, September 2006.

- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, August 2008.

- *Validating Semivolatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8270D*, SOP No. HW-22 Revision #4, USEPA Hazardous Waste Support Branch, August 2008.

- *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A,* SOP No. HW-45 Revision #1, USEPA Hazardous Waste Support Branch, October 2006.

- *Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B,* SOP No. HW-44 Revision #1, USEPA Hazardous Waste Support Branch, October 2006.

- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Inorganic Parameters

The validation of inorganics for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

1. Holding Times
2. Calibration
   a. Initial Calibration Verification
   b. Continuing Calibration Verification
3. Blank Analysis
4. ICP Interference Check Sample Analysis (ICP only)
5. Matrix Spike Analysis
6. Laboratory Duplicate Analysis
7. Laboratory Control Sample Analysis
8. ICP Serial Dilution Analysis (ICP only)
9. Furnace Atomic Absorption Analysis
10. Method of Standard Addition Results

11. Field Blanks
12. Element Quantification and Reported Detection Limits
13. Document Completeness
14. Overall Data Assessment

1.3.2 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile and Semivolatile Organic Analyses

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

Pesticides and PCBs Analyses

1. Holding Times
2. Instrument Performance
   a. Standards Retention Time Windows
   b. DCBP Retention Time Shift
   c. Baseline Stability
   d. Chromatographic Resolution
3. Calibration
   a. Initial Calibration
   b. Analytical Sequence Verification
   c. Continuing Calibration Verification
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike/Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Compound Identification and Quantification
9. Documentation Completeness
10. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U — Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J — Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ — Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R — Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklists are presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Inorganics Analysis

Data validation was performed for thirteen soil samples for inorganic parameters. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits with the exception of the following:

Method Blank Analysis

In SDG# 18H0143 the method blank BH80236-BLK1 detected low levels of Aluminum and Sodium. The concentrations of Aluminum and Sodium in the associated soil samples were greater than ten-times the blank concentration so no data was qualified.

Matrix Spike Analysis

Matrix spike (MS) recovery criteria requiring spike recoveries to be between 75 and 125 percent were exceeded for several analytes. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Detected results were rejected for analytes with spike recoveries greater than 200 percent. Qualification of sample data was not required when the non-spiked sample concentration was greater than four-times the spike solution concentration. Samples qualified due to MS recovery deviations are tabulated below.

Table 2: Inorganics Analysis - Matrix Spike Deviations

MS Sample ID	Inorganic	Percent Recovery	Qualifier	Affected Samples
B-01 0-2	Antimony	57.3 %	J, UJ	B-01 0-2
				B-01 13-15
				B-02 0-2
				B-03 0-2
				B-04 0-2
				B-04 13-15
				B-05 0-2
				B-06 13-15
				B-07 0-2
				B-07 13-15
				B-08 0-2
				B-09 0-2
				B-09 13-15

Laboratory Duplicates

The laboratory duplicate analysis of sample B-01 0-2 exceeded the relative percent difference (RPD) control limit for **Iron** and **Magnesium**. Detected results for these analytes were approximated (J) for all soil samples.

ICP Serial Dilution Analysis

ICP serial dilution criteria require the %D between results of a non-diluted analysis and a four-fold dilution analysis to be less than 10 percent for analytes with a non-diluted concentration greater than 50 times the instrument detection limit (IDL). Analytes with %D values greater than 10 percent are qualified as approximated for samples with concentrations greater than 50 times the IDL. Analytes that exceeded ICP serial dilution criteria and the samples that required qualification are presented below.

Table 3: Inorganics Analyses – ICP Serial Dilution Deviations

Serial Dilution Sample ID	Inorganic	%D	Qualifier	Affected Samples
B-01 0-2	Aluminum Calcium Magnesium Sodium Vanadium	12.0 % 11.0 % 11.7 % 13.9 % 12.8 %	J J J J J	B-01 0-2 B-01 13-15 B-02 0-2 B-03 0-2 B-04 0-2 B-04 13-15 B-05 0-2 B-06 13-15 B-07 0-2 B-07 13-15 B-08 0-2 B-09 0-2 B-09 13-15

Overall Data Assessment

Overall, the laboratory performed inorganics analyses in accordance with the requirements specified in the methods listed in Section 1.2 of this report. These data have been determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several analytes were qualified based on matrix spike recoveries, serial dilution recoveries and laboratory duplicate analysis criteria.

2.2 Volatiles Analysis

Data validation was performed for six water samples using EPA method 8260. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Surrogate Recovery

Surrogate compounds are added to the samples prior to sample preparation to evaluate the efficiency of the sample preparation procedures. The data validation guidelines require the surrogate compounds to have percent recovery values within the laboratory generated control limits. When one or more of the surrogate compounds exceed the recovery limits the associated sample data require qualification. Samples that required qualification for surrogate compound deficiencies are tabulated below.

Table 4: Volatiles Analyses - Surrogate Compound Deviations

Sample ID	Surrogate Compound	Surrogate Recovery	Control Limits	Qualifier	Affected Compounds
B-07 0-2	p-Bromofluorobenzene	135 %	50 % to 200 %	J, UJ	All Compounds

Internal Standards Recovery

The internal standard areas exceeded recovery limits for several samples. Qualification of sample results included the approximation of results when recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 25 percent. Samples qualified due to internal standard recovery deviations are tabulated below.

Table 5: Volatile Organics Analysis - Internal Standard Deviations

Sample ID	Internal Standard	Percent Recovery	Affected Compounds	Qualifier
B-07 0-2	1,4-Dichlorobenzene-d4	37 %	All Compounds	J, UJ

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded but were less than 90 percent. Non-detected results were rejected (R) for compounds with %D values greater than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 6: Volatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
QVOA9 08/07/2018 14:28	1,1,1,2-Tetrachloroethane 1,2,4-Trichlorobenzene	27.8 % 31.5 %	UJ UJ	B-01 0-2 B-01 13-15 B-02 0-2 B-03 0-2 B-04 0-2 B-04 13-15 B-05 0-2 B-06 13-15 B-07 0-2 B-07 13-15 B-08 0-2

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
				B-09 0-2
QVOA1 08/08/2018 09:49	1,4-Dioxane Dichlorodifluoromethane	-33.7 % -31.5 %	UJ UJ	B-09 13-15
VOA105 08/10/2018 18:28	Bromomethane Naphthalene	36.8 % 25.5 %	UJ UJ	B9W(S) B8W(D) B6W(S) B2W(D)

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample data included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 7: Volatile Organics Analysis - Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Air BG81200	Methyl tert-butyl ether Vinyl Acetate Vinyl Chloride	176 % 141 % 69.2 %	70 % to 130 % 70 % to 130 % 70 % to 130 %	UJ UJ UJ	SV-01 SV-02 SV-03 SV-04 SV-05
Soil BH80269	1,1,1,2-Tetrachloroethane 1,2,4-Trichlorobenzene	131 % / 133 % 178 % / 183 %	75 % to 129 % 80 % to 141 %	UJ UJ	B-01 0-2 B-01 13-15 B-02 0-2 B-03 0-2 B-04 0-2 B-04 13-15 B-05 0-2 B-06 13-15 B-07 0-2 B-07 13-15 B-08 0-2 B-09 0-2
Soil BH80436	4-Methyl-2-pentanone Tetrachloroethylene	68.9 % / 69.6 % 75.7 % / 71.8 %	72 % to 132 % 80 % to 129 %	UJ UJ	B-09 13-15

Overall Data Assessment

Overall, the laboratory performed volatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several compounds were also qualified based on deviations from initial and continuing

calibration criteria, surrogate recoveries, internal standard recoveries and laboratory control sample criteria.

2.3 Semivolatiles Analysis

Data validation was performed for thirteen soil samples for methods 8270D. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded but were less than 90 percent. Non-detected samples with a %D at 90 percent or greater were rejected. Samples requiring qualification due to these deviations are tabulated below.

Table 8: Semivolatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
BNA#7	1,4,6-Trichlorophenol	30.4 %	UJ	B-01 0-2
08/07/2018	2,4-Dinitrophenol	63.0 %	UJ	B-01 13-15
13:50	3,3-Dichlorobenzidine	-30.7 %	UJ	B-02 0-2
	4-Bromophenyl phenyl ether	-37.7 %	UJ	B-03 0-2
	Benzidine	-27.6 %	UJ	B-04 0-2
	Hexachlorocyclopentadiene	-36.0 %	UJ	B-04 13-15
	N-Nitrosodimethylamine	42.5 %	UJ	B-05 0-2
	N-Nitrosodiphenylamine	-42.3 %	UJ	B-06 13-15
				B-07 0-2
				B-07 13-15
				B-08 0-2
				B-09 0-2
				B-09 13-15

Overall Data Assessment

Overall, the laboratory performed semivolatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several compounds were qualified based on deviations from continuing calibration deviations.

2.4 Pesticides/PCBs Analyses

Data validation was performed for six water samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the following exceptions.

Surrogate Recovery

Surrogate compounds are added to the samples prior to sample preparation to evaluate the efficiency of the sample preparation procedures. The data validation guidelines require the surrogate compounds to have percent recovery values within the laboratory generated control limits. When one or more of the surrogate compounds exceed the recovery limits the associated sample data require qualification. Samples that required qualification for surrogate compound deficiencies are tabulated below.

Table 9: Pesticides/PCBs Analyses - Surrogate Compound Deviations

Sample ID	Surrogate Compound	Surrogate Recovery	Control Limits	Qualifier	Affected Compounds
B-01 0-2	Tetrachloro-m-xylene	16.0 %	30 % to 150%	J, UJ	All Pesticides
B-01 13-15	Tetrachloro-m-xylene	19.6 %	30 % to 150%	J, UJ	All Pesticides
B-02 0-2	Tetrachloro-m-xylene	22.8 %	30 % to 150%	J, UJ	All Pesticides
B-03 0-2	Tetrachloro-m-xylene	19.7 %	30 % to 150%	J, UJ	All Pesticides
B-04 13-15	Tetrachloro-m-xylene	27.3 %	30 % to 150%	J, UJ	All Pesticides
B-05 0-2	Tetrachloro-m-xylene	26.4 %	30 % to 150%	J, UJ	All Pesticides
B-07 0-2	Tetrachloro-m-xylene	24.7 %	30 % to 150%	J, UJ	All Pesticides
B-07 13-15	Tetrachloro-m-xylene	16.2 %	30 % to 150%	UJ	All Pesticides
B-08 0-2	Tetrachloro-m-xylene	29.3 %	30 % to 150%	J, UJ	All Pesticides
B-09 0-2	Tetrachloro-m-xylene	19.9 %	30 % to 150%	J, UJ	All Pesticides

Overall Data Assessment

Overall, the laboratory performed PCB and pesticides analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with no exceptions. Several compounds were qualified as estimated detection limit (UJ) due to deviations in surrogate recovery criteria.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability, which was calculated separately for each type of analysis, is tabulated below.

Table 10: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
Inorganic Parameters	100 %	None resulting in the rejection of data.
Volatile Organic Parameters	100 %	None resulting in the rejection of data.
Semivolatile Organic Parameters	100 %	None resulting in the rejection of data.
PCB and Pesticides Parameters	100 %	None resulting in the rejection of data.

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, 6.63 percent of the analytical data required qualification from serial dilutions and lab duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, 0.45 percent of the data were qualified for deviations from matrix spike recovery criteria, 9.91 percent of the data were qualified due to surrogate standard recovery criteria deviations, 1.42 percent of the data were qualified due to deviations in laboratory control sample recoveries, 2.31 percent of the data were qualified due to internal standard recovery criteria deviations, and 4.49percent of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for blank analysis or holding times deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The overall percent usability or completeness of the data was 100. percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

Table of Contents

		Page
I.	Part A: VOA Analyses	2
II.	Part B: SVOA Analyses	6
III.	Part C: Pesticides/PCBs Analyses	10
IV.	Part D: Metals Analyses	14

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the VOA SMC Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water			X
	b. Low Soil	X		
	c. Air	X		X
3.2	Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water			X
	b. Low Soil	X		
	c. Air	X		
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?	X		
	If yes, were samples re-analyzed?		X	
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water			X
	b. Low Soil	X		
	c. Air		X	
4.3	How many VOA spike recoveries are outside QC limits?			
	Water 0 out of 67 Soils 0 out of 67			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 67 Soils 0 out of 67			

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix (low water, low soil, medium soil), whichever is more frequent?	X		
5.3	Has a VOA method/instrument blank been analyzed at least once every twelve hours for each concentration level and GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for VOAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for VOAs?	X		
6.2	Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)?		X	
6.3	Are there field/rinse/equipment blanks associated with every sample?	X		
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	X		
7.3	Has an instrument performance compound been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 95?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		
8.3	Are the response factors shown in the Quant Report?	X		

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
8.4	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution?	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			X
8.5	Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	X		
8.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.7	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.8	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?			X
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?			X
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?			X
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?			X
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?			X
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the volatile fraction at concentrations of 10, 20, 50, 100, 200 ug/L? Are there separate calibrations for low/med soils and low soil samples?	X		
12.2	Were all low level soil standards, blanks, and samples analyzed by heated purge?	X		
12.3	Are the response factors stable for VOA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)		X	
12.4	Are the RRFs above 0.01?	X		
12.5	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?		X	

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the volatile fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any volatile compounds have a percent difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	X		
13.4	Do any volatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?		X	
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?		X	
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?		X	

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any BNA technical holding times, determined from date of collection to date of extraction, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the BNA Surrogate Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water			X
	b. Low Soil	X		
	c. Med Soil			X
3.2	Are all the BNA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water			X
	b. Low Soil	X		
	c. Med Soil			X
3.3	Were outliers marked correctly with an asterisk?			X
3.4	Were two or more base neutral or acid surrogate compound recoveries out of specification for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water			X
	b. Low Soil	X		
	c. Med Soil			X
4.3	How many BNA spike recoveries are outside QC limits?			
	Water 0 out of 76 Soils 0 out of 76			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 76 Soils 0 out of 76			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: Has a reagent/method blank analysis been reported per 20 samples of a similar matrix, or concentration level, for each extraction batch?	X		
5.3	Has a BNA method blank been analyzed for each GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for BNAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for BNAs?		X	
6.2	Do any field/rinse blanks have positive BNA results (TCL and/or TIC)?			X
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Decafluorotriphenylphosphine (DFTPP)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve-hour shift?	X		
7.3	Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 198?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I BNA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Has GPC cleanup been performed on all soil/sediment sample extracts?			X
8.3	Are the BNA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		
8.4	Are the response factors shown in the Quant Report?	X		
8.5	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.6	Are the lab-generated standard mass spectra of identified BNA compounds present for each sample?	X		
8.7	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.8	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.9	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I, Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?			X
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?			X
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?			X
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?			X
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?			X
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the BNA fraction?	X		
12.2	Are response factors stable for BNA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)	X		
12.3	Are all BNA compound RRFs > 0.01?	X		
12.4	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?	X		
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the BNA fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any semivolatile compounds have a percent difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	X		
13.4	Do any semivolatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or percent difference (%D) between initial and continuing RRFs?	X		
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	X		
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for BNA analysis?		X	

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or SDG Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?	X		
2.0	**Holding Times**			
2.1	Have any PEST/PCB technical holding times, determined from date of collection to date of extraction, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the PEST/PCB Surrogate Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water			X
	b. Soil	X		
3.2	Are all the PEST/PCB samples listed on the appropriate Surrogate Recovery Summary for each of the following matrices:			
	a. Low Water			X
	b. Soil	X		
3.3	Were outliers marked correctly with an asterisk?			X
3.4	Were surrogate recoveries of TCX or DCB outside of the contract specifications for any sample or method blank? (60-150%)	X		
3.5	Were surrogate retention times (RT) within the windows established during the initial 3-point analysis of Individual Standard Mixture A?	X		
3.6	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?	X		
	a. Low Water			X
	b. Soil	X		
4.3	How many PEST/PCB spike recoveries are outside QC limits?			
	Water 0 out of 23 Soils 0 out of 23			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 23 Soils 0 out of 23			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
5.2	Frequency of Analysis: For the analysis of Pesticide/PCB TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix or concentration or each extraction batch, whichever is more frequent?	X		
5.3	Has a PEST/PCB instrument blank been analyzed at the beginning of every 12 hr. period following the initial calibration sequence?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for PEST/PCBs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results PEST/PCBs?		X	
6.2	Do any field/rinse blanks have positive PEST/PCB results?		X	
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	**Calibration and GC Performance**			
7.1	Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS/MSD?			
	a. Peak resolution check	X		
	b. Performance evaluation mixtures	X		
	c. Aroclor 1016/1260	X		
	d. Aroclors 1221, 1232, 1242, 1248, 1254, 1262, 1268	X		
	e. Toxaphene	X		
	f. Low points individual mixtures A & B	X		
	g. Med points individual mixtures A & B	X		
	h. High points individual mixtures A & B	X		
	I. Instrument blanks	X		
7.2	Are Forms VI - PEST 1-4 present and complete for each column and each analytical sequence?	X		
7.3	Are there any transcription/calculation errors between raw data and Forms VI?		X	
7.4	Do all standard retention times, including each pesticide in each level of Individual Mixtures A & B, fall within the windows established during the initial calibration analytical sequence?	X		
7.5	Are the linearity criteria for the initial analyses of Individual Standards A & B within limits for both columns?	X		
7.6	Is the resolution between any two adjacent peaks in the Resolution Check Mixture > 60.0% for both columns?	X		
7.7	Is Form VII - Pest-1 present and complete for each Performance Evaluation Mixture analyzed during the analytical sequence for both columns?	X		
7.8	Has the individual percent breakdown exceeded 20.0% on either column?		X	
	- for 4,4' - DDT?		X	
	- for endrin?		X	

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
	Has the combined %breakdown for 4,4' - DDT/Endrin exceeded 30.0% on either column?		X	
7.9	Are the relative percent difference (RPD) values for all PEM analytes <25.0%?	X		
7.10	Have all samples been injected within a 12 hr. Period beginning with the injection of an Instrument Blank?	X		
7.11	Is Form VII - Pest-2 present and complete for each INDA and INDB Verification Calibration analyzed?	X		
7.12	Are there any transcription/calculation errors between raw data and Form VII - Pest-2?		X	
7.13	Do all standard retention times for each INDA and INDB Verification Calibration fall within the windows established by the initial calibration sequence?	X		
7.14	Are the RPD values for all verification calibration standard compounds <25.0%?		X	
8.0	**Analytical Sequence Check (Form VIII-PEST)**			
8.1	Is Form VIII present and complete for each column and each period of analyses?	X		
8.2	Was the proper analytical sequence followed for each initial calibration and subsequent analyses?	X		
9.0	**Cleanup Efficiency Verification (Form IX)**			
9.1	Is Form IX - Pest-1 present and complete for each lot of Florisil Cartridges used?	X		
9.2	Are all samples listed on the Pesticide Florisil Cartridge Check Form?	X		
9.3	If GPC Cleanup was performed, is Form IX - Pest-2 present?		X	
9.4	Are percent recoveries (%R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits:			
	80-120% for florisil cartridge check?	X		
	80-110% for GPC calibration?			X
10.0	**Pesticide/PCB Identification**			
10.1	Is Form X complete for every sample in which a pesticide or PCB was detected?	X		
10.2	Are there any transcription/calculation errors between raw data and Forms 6E, 6G, 7E, 7D, 8D, 9A, 9B, 10A?		X	
10.3	Are retention times (RT) of the sample compounds within the established windows for both analyses?	X		
10.4	Is the percent difference (%D) calculated for the positive sample results on the two GC columns < 25.0%?	X		
10.5	Check chromatograms for false negatives, especially the multiple peak compounds toxaphene and PCBs. Were there any false negatives?		X	
11.0	**Compound Quantitation and Reported Detection Limits**			
11.1	Are there any transcription/calculation errors in Form I results?		X	
11.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, percent moisture?	X		
12.0	**Chromatogram Quality**			
12.1	Were baselines stable?	X		

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
12.2	Were any electropositive displacement (negative peaks) or unusual peaks seen?		X	
13.0	**Field Duplicates**			
13.1	Were any field duplicates submitted for PEST/PCB analysis?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
1.0	**Form I to IX**			
1.1	Are all the Form I through Form IX labeled with:			
	Laboratory Name?	X		
	Case/SAS No.?	X		
	EPA sample No.?	X		
	SDG No.?	X		
	Contract No.?	X		
	Correct units?	X		
	Matrix?	X		
1.2	Do any computer/transcription errors exceed 10% of reported values on Forms I-IX for:			
	A. All analytes analyzed by ICP?		X	
	B. All analytes analyzed by GFAA?			X
	C. All analytes analyzed by AA Flame?			X
	D. Mercury?		X	
	E. Cyanide?			X
2.0	**Raw Data**			
2.1	Digestion Log for flame AA/ICP (Form XIII) present?	X		
2.2	Digestion Log for furnace AA (Form XIII) present?			X
2.3	Distillation Log for mercury (Form XIII) present?	X		
2.4	Distillation Log for cyanides (Form XIII) present?			X
2.5	Are pH values (pH<2 for all metals, pH>12 for cyanide) present?	X		
2.6	Percent solids calculation dates present on sample preparation logs/bench sheets?	X		
2.7	Are preparation dates present on sample preparation logs/bench sheets?	X		
2.8	Measurement read out record present?			
	A. ICP	X		
	B. Flame AA			X
	C. Furnace AA			X
	D. Mercury	X		
	E. Cyanides			X
2.9	Are all raw data to support all sample analyses and QC operations present?	X		
3.0	**Holding Times**			
3.1	A. Mercury analysis (28 days) .....exceeded?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	B. Cyanide distillation (14 days) .....exceeded?			X
	C. Other Metals analysis (6 months) .....exceeded?		X	
3.2	Is pH of aqueous samples for:			
	A. Metals Analysis >2?		X	
	B. Cyanides Analysis <12?			X
4.0	**Form I (Final Data)**			
4.1	Are all Forms I's present and complete?	X		
4.2	Are correct units (ug/l for waters and mg/kg for soils) indicated on Form I's?	X		
4.3	Are soil sample results for each parameter corrected for percent solids?	X		
4.4	Are all "less than IDL" values properly coded with "U"?	X		
4.5	Are the correct concentration qualifiers used with final data?	X		
4.6	Are EPA sample #s and corresponding laboratory sample ID #s the same as on the Cover Page, Form I's and in the raw data?	X		
4.7	Was a brief physical description of samples given on Form I's?	X		
4.8	Was the dilution of any sample diluted beyond the requirements of the contract noted on Form I or Form XIV?		X	
5.0	**Calibration**			
5.1	Is record of at least 2 point calibration present for ICP analysis?	X		
5.2	Is record of 5 point calibration present for Hg analysis?	X		
5.3	Is record of 4 point calibration present for:			X
	Flame AA?			X
	Furnace AA?			X
	Cyanides?	X		
5.4	Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	X		
5.5	Is correlation coefficient less than 0.995 for:			
	Mercury Analysis?	X		
	Cyanide Analysis?			X
	Atomic Absorption Analysis?			X
5.6	In the instance where less than 4 standards are measured in absorbance (or peak area, peak height, etc.) Mode, are remaining standards analyzed in concentration mode immediately after calibration within +/- 10% of the true values?			X
6.0	**Form II A (Initial and Continuing Calibration Verification)**			
6.1	Present and complete for every metal and cyanide?	X		
6.2	Present and complete for AA ICP when both are used for the same analyte?			X
6.3	Are all calibration standards (initial and continuing) within control limits:			
	Metals - 90 - 110%R	C		
	Hg - 80 - 120%R	X		

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	Cyanides - 85 - 115%R			X
6.4	Was continuing calibration performed every 10 samples or every 2 hours?	X		
6.5	Was ICV for cyanides distilled?			X
7.0	**Form II B (CRDL Standards for AA and ICP)**			
7.1	Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	X		
7.2	Was a mid range calibration verification standard distilled and analyzed for cyanide analysis?	X		
7.3	Was a 2xCRDL (or 2xIDL when IDL>CRDL) analyzed (CRI) for each ICP run?	X		
7.4	Was CRI analyzed after ICV/ICB and before the final CCV/CCB, and twice every eight hours of ICP run?	X		
7.5	Are CRA and CRI standards within control limits: Metals 70 – 130 %R?	X		
7.6	Is mid-range standard within control limits: Cyanide 70 – 130 %R?	X		
8.0	**Form III (Initial and Continuing Calibration Blanks)**			
8.1	Present and complete?	X		
8.2	For both AA and ICP when both are used for the same analyte?			X
8.3	Was an initial calibration blank analyzed?	X		
8.4	Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	X		
8.5	Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	X		
8.6	Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?			X
9.0	**Form III (Preparation Blank)**			
9.1	Was one preparation blank analyzed for:			
	each Sample Delivery Group?	X		
9.2	Is concentration of preparation blank value greater than the CRDL when IDL is less than or equal to CRDL?	X		
9.3	If yes, is the concentration of the sample with the least concentrated analyte less than 10 times the preparation blank?		X	
9.4	Is concentration of preparation blank value (Form III) less than two times IDL, when IDL is greater than CRDL?			X
9.5	Is concentration of preparation blank below the negative CRDL?		X	
10.0	**Form IV (Interference Check Sample)**			
10.1	Present and Complete?	X		
10.2	Are all Interference Check Sample results inside the control limits (+/- 20%)?	X		
10.3	If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?			X
11.0	**Form V A (Spiked Sample recovery - Pre-Digestion/Pre-Distillation**			

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
11.1	Present and complete for:			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
	For both AA and ICP when both are used for the same analyte?			X
11.2	Was field blank used for spiked sample?		X	
11.3	Are all recoveries within control limits?		X	
11.4	If no, is sample concentration greater than or equal to four times spike concentration?		X	
12.0	**Form VI (Lab Duplicates)**			
12.1	Present and complete for :			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
	both AA and ICP when both are used for the same analyte?			X
12.2	Was field blank used for duplicate analysis?		X	
12.3	Are all values within control limits (RPD 20% or difference </= +/-CRDL)?		X	
12.4	If no, are all results outside the control limits flagged with an * on Form I's and VI?	X		
13.0	**Field Duplicates**			
13.1	Were field duplicates analyzed?		X	
13.2	**Aqueous**			
	Is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?			X
	Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?			X
13.3	**Soil/Sediment**			
	Is any RPD (where sample and duplicate are both greater than 5 times CRDL): >100%?		X	
	Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL): >2x CRDL?		X	
14.0	**Form VII (Laboratory Control Sample)**			
14.1	Was one LCS prepared and analyzed for:			
	each SDG?	X		
	each batch samples digested/distilled?	X		
	both AA and ICP when both are used for the same analyte?			X
14.2	**Aqueous LCS**			
	Is any LCS recovery:			
	less than 50%?		X	
	between 50% and 79%?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	between 121% and 150%?		X	
	greater than 150%?		X	
14.3	**Solid LCS**			
	Is LCS "Found" value higher than the control limits on Form VII?			X
	Is LCS "Found" value lower than the control limits on Form VII?			X
15.0	**Form IX (ICP Serial Dilution)**			
15.1	Was serial dilution analysis performed for:			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
15.2	Was field blank(s) used for Serial Dilution Analysis?		X	
15.3	Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater?	X		
15.4	Are any percent difference values:			
	>10%	X		
	>/=100%		X	
16.0	**Furnace Atomic Absorption (AA) QC Analysis**			
16.1	Are duplicate injections present in furnace raw data for each sample analyzed by GFAA?			X
16.2	Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or Coefficient of Variation (CV) for concentration greater than CRDL?			X
16.3	Was a dilution analyzed for sample with analytical spike recovery less than 40%?			X
16.4	Is analytical spike recovery outside the control limits (85 - 115%) for any sample?			X
17.0	**Form VIII (Method of Standard Addition Results)**			
17.1	Present?			X
17.2	If no, is any Form I result coded with "S" or a "+"?			X
17.3	Is coefficient of correlation for MSA less than 0.990 for any sample?			X
17.4	Was MSA required for any sample but not performed?			X
17.5	Is coefficient of correlation for MSA less than 0.995?			X
17.6	Are MSA calculations outside the linear range of the calibration curve generated at the beginning of the analytical run?			X
17.7	Was proper Quantitation procedure followed correctly as outlined in the SOW on page E-23?			X
18.0	**Dissolved/Total or Inorganic/Total Analytes**			
18.1	Were any analyses performed for dissolved as well as total analytes on the same sample(s)?		X	
18.2	Were any analyses performed for inorganic as well as total (organic and inorganic) analytes on the same sample(s)?			X

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
18.3	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 10%?			X
18.4	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 50%?			X
19.0	**Form I (Field Blank)**			
19.1	Is field blank concentration less than CRDL (or 2 x IDL when IDL>CRDL) for all parameters of associated aqueous and soil samples?	X		
19.2	If no, was field blank value already rejected due to other QC criteria?			X
20.0	**Form X, XI, XII (Verification of Instrumental Parameters)**			
20.1	Is verification report present for:			
	Instrument Detection Limits (quarterly)?	X		
	ICP Interelement Correction Factors (annually)?	X		
	ICP Linear Ranges (quarterly)?	X		
21.0	**Form X (Instrument Detection Limits)**			
21.1	Are IDLs present for:			
	all the analytes?	X		
	all the instruments used?	X		
	For both AA and ICP when both are used for the same analyte?			X
21.2	Is IDL greater than CRDL for any analytes?		X	
21.3	If yes, is the concentration on Form I of the sample analyzed on the instrument whose IDL exceeds CRDL, greater than 5 x IDL?			X
22.0	**Form XI (Linear Ranges)**			
22.1	Was any sample result higher than the high linear range of ICP?		X	
22.2	Was any sample result higher than the highest calibration standard for non-ICP parameters?		X	
22.3	If yes for any of the above, was the sample diluted to obtain the result on Form I?			X
23.0	**Percent Solids of Sediments**			
23.1	Are percent solids in sediment(s):			
	<50%?		X	
	<10%?		X	

APPENDIX C

Laboratory Reports

Technical Report

prepared for:

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

Report Date: 07/26/2018
Client Project ID: KM17075
York Project (SDG) No.: 18G0854

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
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Report Date: 07/26/2018
Client Project ID: KM17075
York Project (SDG) No.: 18G0854

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 July 19, 2018 and listed below. The project was identified as your project: **KM17075**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18G0854-01	SV-01	Soil Vapor	07/18/2018	07/19/2018
18G0854-02	SV-02	Soil Vapor	07/18/2018	07/19/2018
18G0854-03	SV-03	Soil Vapor	07/18/2018	07/19/2018
18G0854-04	SV-04	Soil Vapor	07/18/2018	07/19/2018
18G0854-05	SV-05	Soil Vapor	07/18/2018	07/19/2018

General Notes for York Project (SDG) No.: 18G0854

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

Approved By: 

Date: 07/26/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SV-01 **York Sample ID:** 18G0854-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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		ug/m³	13	18.96	EPA TO-15 Certifications:	07/24/2018 21:05	07/24/2018 21:05	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	10	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	13	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	15	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	10	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.7	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.5	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	14	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	9.3	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	15	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.7	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.8	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	13	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	9.3	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	13	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.8	18.96	EPA TO-15 Certifications:	07/24/2018 21:05	07/24/2018 21:05	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	14	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
78-93-3	**2-Butanone**	**630**		ug/m³	5.6	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
591-78-6	*** 2-Hexanone**	**71**		ug/m³	16	18.96	EPA TO-15 Certifications:	07/24/2018 21:05	07/24/2018 21:05	LDS

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **18G0854-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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		ug/m³	30	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.8	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
67-64-1	**Acetone**	**150**		ug/m³	9.0	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
107-13-1	Acrylonitrile	ND		ug/m³	4.1	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
71-43-2	Benzene	ND		ug/m³	6.1	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
100-44-7	Benzyl chloride	ND		ug/m³	9.8	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	13	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-25-2	Bromoform	ND		ug/m³	20	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
74-83-9	Bromomethane	ND		ug/m³	7.4	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.9	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	3.0	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
108-90-7	Chlorobenzene	ND		ug/m³	8.7	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-00-3	Chloroethane	ND		ug/m³	5.0	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
67-66-3	**Chloroform**	**16**		ug/m³	9.3	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
74-87-3	Chloromethane	ND		ug/m³	3.9	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.5	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.6	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
110-82-7	Cyclohexane	ND		ug/m³	6.5	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	16	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	9.4	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	14	18.96	EPA TO-15 Certifications:	07/24/2018 21:05	07/24/2018 21:05	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	8.2	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	20	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **18G0854-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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	ND		ug/m³	9.3	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	7.8	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.8	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-09-2	Methylene chloride	ND		ug/m³	13	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
91-20-3	* Naphthalene	ND		ug/m³	99	18.96	EPA TO-15 Certifications: NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
142-82-5	n-Heptane	ND		ug/m³	7.8	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
110-54-3	n-Hexane	ND		ug/m³	6.7	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
95-47-6	o-Xylene	ND		ug/m³	8.2	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	16	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	9.3	18.96	EPA TO-15 Certifications:	07/24/2018 21:05	07/24/2018 21:05	LDS
115-07-1	*** Propylene**	**48**		ug/m³	3.3	18.96	EPA TO-15 Certifications:	07/24/2018 21:05	07/24/2018 21:05	LDS
100-42-5	Styrene	ND		ug/m³	8.1	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
127-18-4	**Tetrachloroethylene**	**55**		ug/m³	3.2	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	11	18.96	EPA TO-15 Certifications:	07/24/2018 21:05	07/24/2018 21:05	LDS
108-88-3	Toluene	ND		ug/m³	7.1	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.5	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.6	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.5	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	11	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
108-05-4	Vinyl acetate	ND		ug/m³	6.7	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
593-60-2	Vinyl bromide	ND		ug/m³	8.3	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.8	18.96	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:05	07/24/2018 21:05	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.1 %*	*70-130*

Sample Information

Client Sample ID: **SV-01** **York Sample ID:** **18G0854-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **18G0854-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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		ug/m³	9.2	13.4	EPA TO-15 Certifications:	07/24/2018 21:51	07/24/2018 21:51	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	7.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	9.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	10	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	7.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	5.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	5.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	9.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	10	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	8.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	5.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	6.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	9.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	8.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	8.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	6.2	13.4	EPA TO-15 Certifications:	07/24/2018 21:51	07/24/2018 21:51	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	8.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS

Sample Information

Client Sample ID: **SV-02** **York Sample ID:** **18G0854-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
123-91-1	1,4-Dioxane	ND		ug/m³	9.7	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-93-3	**2-Butanone**	**530**		ug/m³	4.0	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
591-78-6	*** 2-Hexanone**	**52**		ug/m³	11	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	21	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	5.5	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**130**		ug/m³	6.4	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	2.9	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	4.3	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	6.9	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	9.0	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	14	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	5.2	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**7.5**		ug/m³	4.2	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.1	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	6.2	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	3.5	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	6.5	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	2.8	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	5.3	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.1	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	4.6	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	11	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	6.6	13.4	EPA TO-15	07/24/2018 21:51	07/24/2018 21:51	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: SV-02 **York Sample ID:** 18G0854-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
141-78-6	* Ethyl acetate	ND		ug/m³	9.7	13.4	EPA TO-15 Certifications:	07/24/2018 21:51	07/24/2018 21:51	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	5.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	14	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
67-63-0	Isopropanol	ND		ug/m³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	4.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
75-09-2	**Methylene chloride**	**37**		ug/m³	9.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
91-20-3	* Naphthalene	ND		ug/m³	70	13.4	EPA TO-15 Certifications: NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
142-82-5	n-Heptane	ND		ug/m³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
110-54-3	**n-Hexane**	**23**		ug/m³	4.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
95-47-6	o-Xylene	ND		ug/m³	5.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	12	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	6.6	13.4	EPA TO-15 Certifications:	07/24/2018 21:51	07/24/2018 21:51	LDS
115-07-1	*** Propylene**	**53**		ug/m³	2.3	13.4	EPA TO-15 Certifications:	07/24/2018 21:51	07/24/2018 21:51	LDS
100-42-5	Styrene	ND		ug/m³	5.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
127-18-4	**Tetrachloroethylene**	**29**		ug/m³	2.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	7.9	13.4	EPA TO-15 Certifications:	07/24/2018 21:51	07/24/2018 21:51	LDS
108-88-3	**Toluene**	**6.6**		ug/m³	5.0	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
79-01-6	Trichloroethylene	ND		ug/m³	1.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	7.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
108-05-4	Vinyl acetate	ND		ug/m³	4.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS

Sample Information

Client Sample ID: SV-02 **York Sample ID:** 18G0854-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
593-60-2	Vinyl bromide	ND		ug/m³	5.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	3.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 21:51	07/24/2018 21:51	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*70-130*

Sample Information

Client Sample ID: SV-03 **York Sample ID:** 18G0854-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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		ug/m³	12	17.79	EPA TO-15 Certifications:	07/24/2018 22:37	07/24/2018 22:37	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.2	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.1	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.2	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.2	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **18G0854-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	12	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.2	17.79	EPA TO-15 Certifications:	07/24/2018 22:37	07/24/2018 22:37	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	13	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
78-93-3	**2-Butanone**	**760**		ug/m³	5.2	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
591-78-6	*** 2-Hexanone**	**73**		ug/m³	15	17.79	EPA TO-15 Certifications:	07/24/2018 22:37	07/24/2018 22:37	LDS
107-05-1	3-Chloropropene	ND		ug/m³	28	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.3	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
67-64-1	**Acetone**	**160**		ug/m³	8.5	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.9	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
71-43-2	Benzene	ND		ug/m³	5.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
100-44-7	Benzyl chloride	ND		ug/m³	9.2	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	12	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-25-2	Bromoform	ND		ug/m³	18	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
74-83-9	Bromomethane	ND		ug/m³	6.9	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.5	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.8	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
108-90-7	Chlorobenzene	ND		ug/m³	8.2	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-00-3	Chloroethane	ND		ug/m³	4.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
67-66-3	Chloroform	ND		ug/m³	8.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS

Sample Information

Client Sample ID: **SV-03** **York Sample ID:** **18G0854-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
74-87-3	Chloromethane	ND		ug/m³	3.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.1	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.1	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
110-82-7	Cyclohexane	ND		ug/m³	6.1	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	15	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.8	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	13	17.79	EPA TO-15 Certifications:	07/24/2018 22:37	07/24/2018 22:37	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	7.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	19	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
67-63-0	Isopropanol	ND		ug/m³	8.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	7.3	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.4	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-09-2	Methylene chloride	ND		ug/m³	12	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
91-20-3	* Naphthalene	ND		ug/m³	93	17.79	EPA TO-15 Certifications: NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
142-82-5	n-Heptane	ND		ug/m³	7.3	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
110-54-3	**n-Hexane**	**8.2**		ug/m³	6.3	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
95-47-6	o-Xylene	ND		ug/m³	7.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	15	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.7	17.79	EPA TO-15 Certifications:	07/24/2018 22:37	07/24/2018 22:37	LDS
115-07-1	* **Propylene**	**65**		ug/m³	3.1	17.79	EPA TO-15 Certifications:	07/24/2018 22:37	07/24/2018 22:37	LDS
100-42-5	Styrene	ND		ug/m³	7.6	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
127-18-4	**Tetrachloroethylene**	**30**		ug/m³	3.0	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	10	17.79	EPA TO-15 Certifications:	07/24/2018 22:37	07/24/2018 22:37	LDS

Sample Information

Client Sample ID: SV-03 **York Sample ID:** 18G0854-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
108-88-3	Toluene	ND		ug/m³	6.7	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.1	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.1	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.4	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	10	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
108-05-4	Vinyl acetate	ND		ug/m³	6.3	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
593-60-2	Vinyl bromide	ND		ug/m³	7.8	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.5	17.79	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 22:37	07/24/2018 22:37	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.1 %*	*70-130*

Sample Information

Client Sample ID: SV-04 **York Sample ID:** 18G0854-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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		ug/m³	1.3	1.879	EPA TO-15 Certifications:	07/24/2018 23:29	07/24/2018 23:29	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.0	1.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 23:29	07/24/2018 23:29	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 23:29	07/24/2018 23:29	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 23:29	07/24/2018 23:29	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 23:29	07/24/2018 23:29	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.76	1.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 23:29	07/24/2018 23:29	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.74	1.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/24/2018 23:29	07/24/2018 23:29	LDS

Sample Information

Client Sample ID: **SV-04** **York Sample ID:** **18G0854-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
120-82-1	**1,2,4-Trichlorobenzene**	**10**		ug/m³	1.4	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-63-6	**1,2,4-Trimethylbenzene**	**5.9**		ug/m³	0.92	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-50-1	**1,2-Dichlorobenzene**	**2.0**		ug/m³	1.1	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.76	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.87	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-67-8	**1,3,5-Trimethylbenzene**	**1.6**		ug/m³	0.92	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
541-73-1	**1,3-Dichlorobenzene**	**3.4**		ug/m³	1.1	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.87	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:			
106-46-7	**1,4-Dichlorobenzene**	**5.1**		ug/m³	1.1	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
123-91-1	1,4-Dioxane	ND		ug/m³	1.4	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-93-3	**2-Butanone**	**590**		ug/m³	5.5	18.79	EPA TO-15	07/25/2018 10:49	07/25/2018 10:49	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
591-78-6	*** 2-Hexanone**	**82**		ug/m³	1.5	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.9	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	**4-Methyl-2-pentanone**	**2.5**		ug/m³	0.77	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**180**		ug/m³	0.89	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.41	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**1.7**		ug/m³	0.60	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.97	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	1.3	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.9	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SV-04** **York Sample ID:** **18G0854-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
74-83-9	Bromomethane	ND		ug/m³	0.73	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**1.1**		ug/m³	0.59	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.30	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	**Chlorobenzene**	**1.1**		ug/m³	0.87	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.50	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**4.1**		ug/m³	0.92	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.39	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.74	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.85	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**1.1**		ug/m³	0.65	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.3**		ug/m³	0.93	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	1.4	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.8**		ug/m³	0.82	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.0	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**31**		ug/m³	0.92	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.77	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.68	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**10**		ug/m³	1.3	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
91-20-3	*** Naphthalene**	**14**		ug/m³	9.8	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NJDEP-Queens		
142-82-5	**n-Heptane**	**5.5**		ug/m³	0.77	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**13**		ug/m³	0.66	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SV-04 **York Sample ID:** 18G0854-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
95-47-6	**o-Xylene**	**3.4**		ug/m³	0.82	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**9.8**		ug/m³	1.6	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**4.9**		ug/m³	0.92	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:			
115-07-1	*** Propylene**	**85**		ug/m³	0.32	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:			
100-42-5	**Styrene**	**2.3**		ug/m³	0.80	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**23**		ug/m³	0.32	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**6.2**		ug/m³	1.1	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications:			
108-88-3	**Toluene**	**6.7**		ug/m³	0.71	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.74	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.85	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**0.71**		ug/m³	0.25	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.7**		ug/m³	1.1	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.66	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.82	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.48	1.879	EPA TO-15	07/24/2018 23:29	07/24/2018 23:29	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.7 %*	*70-130*

Sample Information

Client Sample ID: SV-05 **York Sample ID:** 18G0854-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **SV-05** **York Sample ID:** **18G0854-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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		ug/m³	1.3	1.938	EPA TO-15 Certifications:	07/25/2018 00:21	07/25/2018 00:21	LDS
71-55-6	**1,1,1-Trichloroethane**	**2.2**		ug/m³	1.1	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.5	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.1	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.78	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.77	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.4	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**5.2**		ug/m³	0.95	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.5	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.2	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.78	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.90	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.4	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**1.4**		ug/m³	0.95	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.2	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.90	1.938	EPA TO-15 Certifications:	07/25/2018 00:21	07/25/2018 00:21	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.2	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	1.4	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
78-93-3	**2-Butanone**	**690**		ug/m³	5.7	19.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 11:34	07/25/2018 11:34	LDS
591-78-6	*** 2-Hexanone**	**86**		ug/m³	1.6	1.938	EPA TO-15 Certifications:	07/25/2018 00:21	07/25/2018 00:21	LDS
107-05-1	3-Chloropropene	ND		ug/m³	3.0	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
108-10-1	**4-Methyl-2-pentanone**	**2.1**		ug/m³	0.79	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS

Sample Information

Client Sample ID: SV-05 **York Sample ID:** 18G0854-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
67-64-1	**Acetone**	**160**		ug/m³	0.92	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.42	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**1.9**		ug/m³	0.62	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	1.0	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	1.3	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	2.0	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.75	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	**Carbon disulfide**	**6.0**		ug/m³	0.60	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.61**		ug/m³	0.30	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.89	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.51	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	**Chloroform**	**10**		ug/m³	0.95	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.4**		ug/m³	0.40	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.77	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.88	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	**Cyclohexane**	**1.0**		ug/m³	0.67	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.7	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.7**		ug/m³	0.96	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	1.4	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.2**		ug/m³	0.84	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.1	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**6.3**		ug/m³	0.95	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.79	1.938	EPA TO-15	07/25/2018 00:21	07/25/2018 00:21	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SV-05** **York Sample ID:** **18G0854-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18G0854	KM17075	Soil Vapor	July 18, 2018 3:00 pm	07/19/2018

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.70	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
75-09-2	**Methylene chloride**	**3.2**		ug/m³	1.3	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
91-20-3	* Naphthalene	ND		ug/m³	10	1.938	EPA TO-15 Certifications: NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
142-82-5	**n-Heptane**	**5.1**		ug/m³	0.79	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
110-54-3	**n-Hexane**	**10**		ug/m³	0.68	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
95-47-6	**o-Xylene**	**3.3**		ug/m³	0.84	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
179601-23-1	**p- & m- Xylenes**	**8.2**		ug/m³	1.7	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
622-96-8	*** p-Ethyltoluene**	**4.3**		ug/m³	0.95	1.938	EPA TO-15 Certifications:	07/25/2018 00:21	07/25/2018 00:21	LDS
115-07-1	*** Propylene**	**69**		ug/m³	0.33	1.938	EPA TO-15 Certifications:	07/25/2018 00:21	07/25/2018 00:21	LDS
100-42-5	Styrene	ND		ug/m³	0.83	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
127-18-4	**Tetrachloroethylene**	**18**		ug/m³	0.33	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
109-99-9	*** Tetrahydrofuran**	**5.5**		ug/m³	1.1	1.938	EPA TO-15 Certifications:	07/25/2018 00:21	07/25/2018 00:21	LDS
108-88-3	**Toluene**	**5.8**		ug/m³	0.73	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.77	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.88	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
79-01-6	**Trichloroethylene**	**0.31**		ug/m³	0.26	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.0**		ug/m³	1.1	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.68	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.85	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.50	1.938	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/25/2018 00:21	07/25/2018 00:21	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.6 %*	*70-130*

Analytical Batch Summary

Batch ID: BG81200 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18G0854-01	SV-01	07/24/18
18G0854-02	SV-02	07/24/18
18G0854-03	SV-03	07/24/18
18G0854-04	SV-04	07/24/18
18G0854-04RE1	SV-04	07/25/18
18G0854-05	SV-05	07/25/18
18G0854-05RE1	SV-05	07/25/18
BG81200-BLK1	Blank	07/24/18
BG81200-BS1	LCS	07/24/18

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 BG81200 - EPA TO15 PREP											
Blank (BG81200-BLK1)											Prepared & Analyzed: 07/24/2018
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
Naphthalene	ND	5.2	"								

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 BG81200 - EPA TO15 PREP											
Blank (BG81200-BLK1)									Prepared & Analyzed: 07/24/2018		
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*8.92*		*ppbv*	*10.0*		*89.2*	*70-130*				
LCS (BG81200-BS1)									Prepared & Analyzed: 07/24/2018		
1,1,1,2-Tetrachloroethane	9.04		ppbv	10.0		90.4	70-130				
1,1,1-Trichloroethane	9.87		"	10.0		98.7	70-130				
1,1,2,2-Tetrachloroethane	9.04		"	10.0		90.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130				
1,1,2-Trichloroethane	9.09		"	10.0		90.9	70-130				
1,1-Dichloroethane	9.89		"	10.0		98.9	70-130				
1,1-Dichloroethylene	8.88		"	10.0		88.8	70-130				
1,2,4-Trichlorobenzene	8.12		"	10.0		81.2	70-130				
1,2,4-Trimethylbenzene	8.83		"	10.0		88.3	70-130				
1,2-Dibromoethane	9.10		"	10.0		91.0	70-130				
1,2-Dichlorobenzene	9.67		"	10.0		96.7	70-130				
1,2-Dichloroethane	9.42		"	10.0		94.2	70-130				
1,2-Dichloropropane	8.77		"	10.0		87.7	70-130				
1,2-Dichlorotetrafluoroethane	9.32		"	10.0		93.2	70-130				
1,3,5-Trimethylbenzene	8.31		"	10.0		83.1	70-130				
1,3-Butadiene	7.03		"	10.0		70.3	70-130				
1,3-Dichlorobenzene	9.98		"	10.0		99.8	70-130				
1,3-Dichloropropane	8.70		"	10.0		87.0	70-130				
1,4-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,4-Dioxane	8.40		"	10.0		84.0	70-130				
2-Butanone	9.31		"	10.0		93.1	70-130				
2-Hexanone	9.14		"	10.0		91.4	70-130				
3-Chloropropene	9.33		"	10.0		93.3	70-130				
4-Methyl-2-pentanone	8.67		"	10.0		86.7	70-130				
Acetone	8.75		"	10.0		87.5	70-130				
Acrylonitrile	10.4		"	10.0		104	70-130				
Benzene	9.74		"	10.0		97.4	70-130				
Benzyl chloride	9.37		"	10.0		93.7	70-130				
Bromodichloromethane	8.87		"	10.0		88.7	70-130				
Bromoform	9.51		"	10.0		95.1	70-130				
Bromomethane	9.61		"	10.0		96.1	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 BG81200 - EPA TO15 PREP											
LCS (BG81200-BS1)								Prepared & Analyzed: 07/24/2018			
Carbon disulfide	10.8		ppbv	10.0		108	70-130				
Carbon tetrachloride	9.03		"	10.0		90.3	70-130				
Chlorobenzene	9.19		"	10.0		91.9	70-130				
Chloroethane	11.1		"	10.0		111	70-130				
Chloroform	9.83		"	10.0		98.3	70-130				
Chloromethane	7.14		"	10.0		71.4	70-130				
cis-1,2-Dichloroethylene	9.38		"	10.0		93.8	70-130				
cis-1,3-Dichloropropylene	9.11		"	10.0		91.1	70-130				
Cyclohexane	10.0		"	10.0		100	70-130				
Dibromochloromethane	9.10		"	10.0		91.0	70-130				
Dichlorodifluoromethane	9.32		"	10.0		93.2	70-130				
Ethyl acetate	9.42		"	10.0		94.2	70-130				
Ethyl Benzene	8.41		"	10.0		84.1	70-130				
Hexachlorobutadiene	8.61		"	10.0		86.1	70-130				
Isopropanol	10.9		"	10.0		109	70-130				
Methyl Methacrylate	8.99		"	10.0		89.9	70-130				
Methyl tert-butyl ether (MTBE)	17.6		"	10.0		176	70-130	High Bias			
Methylene chloride	9.56		"	10.0		95.6	70-130				
Naphthalene	8.37		"	10.0		83.7	70-130				
n-Heptane	9.10		"	10.0		91.0	70-130				
n-Hexane	10.0		"	10.0		100	70-130				
o-Xylene	8.37		"	10.0		83.7	70-130				
p- & m- Xylenes	17.3		"	20.0		86.3	70-130				
p-Ethyltoluene	9.21		"	10.0		92.1	70-130				
Propylene	8.31		"	10.0		83.1	70-130				
Styrene	9.53		"	10.0		95.3	70-130				
Tetrachloroethylene	9.89		"	10.0		98.9	70-130				
Tetrahydrofuran	9.44		"	10.0		94.4	70-130				
Toluene	8.67		"	10.0		86.7	70-130				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				
trans-1,3-Dichloropropylene	8.66		"	10.0		86.6	70-130				
Trichloroethylene	8.31		"	10.0		83.1	70-130				
Trichlorofluoromethane (Freon 11)	9.65		"	10.0		96.5	70-130				
Vinyl acetate	14.1		"	10.0		141	70-130	High Bias			
Vinyl bromide	10.7		"	10.0		107	70-130				
Vinyl Chloride	6.92		"	10.0		69.2	70-130	Low Bias			
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 Drive, Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418
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www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No. 18-0854

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WCD Poughkeepsie	Company: Richard	Company: Brenda	KM17075	RUSH - Next Day
Address:	Address:	Address:	YOUR Project Name	RUSH - Two Day
Phone:	Phone:	Phone:	KM17075.40	RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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

Samples Collected by: (print your name above and sign below)
R. Hooker
R Hooker

Air Matrix Codes
AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
(Summary Report) | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliv. | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ✓ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SV-01	7/18/18	AS	30	7	20664	T13	TO-15
SV-02	"	"	29	8	24110	T4	"
SV-03	"	"	29	8	X72	T8	"
SV-04	"	"	26	7	20949	T12	"
SV-05	"	"	27.5	8	28302	T2	"

Comments:

Detection Limits Required
≤ 1 ug/m³ ____ NYSDEC V1 Limits ____
Routine Survey ____ Other ____

Sampling Media
6 Liter Canister
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Arthur Chrane	7/19/18	Chris C	7-19-18 9:40		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
Chris C	7-19-18	K Burke	7-19-18 7PM	Z Wang	7-20-18 810

K Burke 7/20/18 810AM

Technical Report

prepared for:

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

Report Date: 08/09/2018
Client Project ID: KM17075
York Project (SDG) No.: 18H0143

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 STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 08/09/2018
Client Project ID: KM17075
York Project (SDG) No.: 18H0143

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 August 03, 2018 and listed below. The project was identified as your project: **KM17075**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18H0143-01	B-01 0-2	Soil	07/24/2018	08/03/2018
18H0143-02	B-01 13-15	Soil	07/24/2018	08/03/2018
18H0143-03	B-02 0-2	Soil	07/24/2018	08/03/2018
18H0143-04	B-03 0-2	Soil	07/24/2018	08/03/2018
18H0143-05	B-04 0-2	Soil	07/24/2018	08/03/2018
18H0143-06	B-04 13-15	Soil	07/24/2018	08/03/2018
18H0143-07	B-05 0-2	Soil	07/24/2018	08/03/2018
18H0143-08	B-06 13-15	Soil	07/27/2018	08/03/2018
18H0143-09	B-07 0-2	Soil	07/27/2018	08/03/2018
18H0143-10	B-07 13-15	Soil	07/27/2018	08/03/2018
18H0143-11	B-08 0-2	Soil	07/27/2018	08/03/2018
18H0143-12	B-09 0-2	Soil	07/27/2018	08/03/2018
18H0143-13	B-09 13-15	Soil	07/27/2018	08/03/2018

General Notes for York Project (SDG) No.: 18H0143

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

Approved By: 

Date: 08/09/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	280	550	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
78-93-3	2-Butanone	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
591-78-6	2-Hexanone	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
67-64-1	**Acetone**	**95**		ug/kg dry	28	55	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
107-02-8	Acrolein	ND		ug/kg dry	28	55	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
107-13-1	Acrylonitrile	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
71-43-2	Benzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
74-97-5	Bromochloromethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-27-4	Bromodichloromethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-25-2	Bromoform	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
74-83-9	Bromomethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-15-0	Carbon disulfide	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
108-90-7	Chlorobenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-00-3	Chloroethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
67-66-3	Chloroform	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
74-87-3	Chloromethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
110-82-7	Cyclohexane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
124-48-1	Dibromochloromethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
74-95-3	Dibromomethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
100-41-4	Ethyl Benzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
79-20-9	Methyl acetate	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-09-2	Methylene chloride	ND		ug/kg dry	28	55	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
95-47-6	o-Xylene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 17:21	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	28	55	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 17:21	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
100-42-5	Styrene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
127-18-4	**Tetrachloroethylene**	**62**		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
108-88-3	Toluene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:21	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	42	83	1	EPA 8260C Certifications:	08/07/2018 17:21 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 17:21	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*77-125*

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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*	*96.2 %*			*85-120*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*			*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	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 18:14	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 18:14	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 18:14	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.3	186	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	**Acenaphthene**	**60.4**	J	ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	**Acenaphthylene**	**88.0**	J	ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	187	373	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**326**		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	187	373	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**1610**		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**1770**		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**1450**		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:14 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**975**		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**1330**		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/kg dry	93.3	186	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**79.8**	J	ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**1560**		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**351**		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**2830**		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D	08/06/2018 14:08	08/07/2018 18:14	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**837**		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
78-59-1	Isophorone	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
85-01-8	**Phenanthrene**	**1090**		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
108-95-2	Phenol	ND		ug/kg dry	46.7	93.3	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:14	SR
129-00-0	**Pyrene**	**2800**		ug/kg dry	117	233	5	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 22:01	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*90.2 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*71.4 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*69.3 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*69.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*54.6 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*96.7 %*	*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**	**5.27**		ug/kg dry	1.84	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:19	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:19	SA
50-29-3	**4,4'-DDT**	**11.5**		ug/kg dry	1.84	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:19	SA
309-00-2	Aldrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:19	SA

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
5103-71-9	**alpha-Chlordane**	**12.7**		ug/kg dry	1.84	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/06/2018 14:15	08/08/2018 11:19	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
57-74-9	Chlordane, total	ND		ug/kg dry	36.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
60-57-1	**Dieldrin**	**13.9**		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/06/2018 14:15	08/08/2018 11:19	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
72-20-8	Endrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
5566-34-7	**gamma-Chlordane**	**10.7**		ug/kg dry	1.84	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/06/2018 14:15	08/08/2018 11:19	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.22	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA
8001-35-2	Toxaphene	ND		ug/kg dry	93.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 11:19	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.7 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*16.0 %*	GC-SC u	*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

Sample Information

Client Sample ID: **B-01 0-2** **York Sample ID:** **18H0143-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	08/06/2018 14:15	08/07/2018 10:27	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:27	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:27	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:27	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:27	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:27	LAB
11096-82-5	**Aroclor 1260**	**0.0253**		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:27	LAB
1336-36-3	*** Total PCBs**	**0.0253**		mg/kg dry	0.0186	1	EPA 8082A Certifications:	08/06/2018 14:15	08/07/2018 10:27	LAB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*39.0 %*	*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**	**6900**	B	mg/kg dry	5.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-36-0	Antimony	ND		mg/kg dry	0.559	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-38-2	**Arsenic**	**4.36**		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-39-3	**Barium**	**66.6**		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-41-7	**Beryllium**	**0.177**		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-43-9	**Cadmium**	**0.516**		mg/kg dry	0.335	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-70-2	**Calcium**	**74000**		mg/kg dry	5.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-47-3	**Chromium**	**17.0**		mg/kg dry	0.559	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML
7440-48-4	**Cobalt**	**4.42**		mg/kg dry	0.559	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:44	KML

Sample Information

Client Sample ID: B-01 0-2 **York Sample ID:** 18H0143-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**20.6**		mg/kg dry	0.559	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**10000**		mg/kg dry	2.24	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**154**		mg/kg dry	0.559	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**8750**		mg/kg dry	5.59	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**174**		mg/kg dry	0.559	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**11.6**		mg/kg dry	0.559	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**736**		mg/kg dry	5.59	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.559	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**588**	B	mg/kg dry	11.2	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**16.9**		mg/kg dry	1.12	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**142**		mg/kg dry	1.68	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:44	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**	**0.0948**		mg/kg dry	0.0335	1	EPA 7473	08/06/2018 09:23	08/06/2018 10:08	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**	**89.4**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: **B-01 13-15** **York Sample ID:** **18H0143-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 17:49	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 17:49	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	310	620	1	EPA 8260C Certifications:	08/07/2018 17:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
78-93-3	2-Butanone	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
591-78-6	2-Hexanone	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**220**		ug/kg dry	31	62	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	31	62	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	16	31	1	EPA 8260C	08/07/2018 17:49	08/07/2018 17:49	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
75-09-2	Methylene chloride	ND		ug/kg dry	31	62	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
95-47-6	o-Xylene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 17:49	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	31	62	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 17:49	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
100-42-5	Styrene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
108-88-3	Toluene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	16	31	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 17:49	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	47	93	1	EPA 8260C Certifications:	08/07/2018 17:49 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 17:49	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*98.8 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*111 %*	*76-130*

Sample Information

Client Sample ID: **B-01 13-15** **York Sample ID:** **18H0143-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 18:45	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 18:45	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 18:45	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
91-57-6	**2-Methylnaphthalene**	**463**	J	ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	**Acenaphthene**	**2500**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	**Acenaphthylene**	**370**	J	ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	1020	2040	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**7220**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	1020	2040	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**10800**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**9400**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**7020**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**5660**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**7840**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	509	1020	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	**Carbazole**	**715**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**9730**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	**Dibenzo(a,h)anthracene**	**1510**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	**Dibenzofuran**	**951**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**20600**		ug/kg dry	1270	2540	50	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 22:31 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	**Fluorene**	**2910**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**5260**		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	**Naphthalene**	**411**	J	ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 18:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
85-01-8	**Phenanthrene**	**25800**		ug/kg dry	1270	2540	50	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 22:31	SR
108-95-2	Phenol	ND		ug/kg dry	255	509	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 18:45	SR
129-00-0	**Pyrene**	**18800**		ug/kg dry	1270	2540	50	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 22:31	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*67.8 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*61.2 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*63.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*61.8 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*80.8 %*	*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	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
72-55-9	**4,4'-DDE**	**8.77**		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
50-29-3	**4,4'-DDT**	**54.0**		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
309-00-2	Aldrin	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 11:34	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
57-74-9	Chlordane, total	ND		ug/kg dry	40.2	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 11:34	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
72-20-8	Endrin	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 11:34	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.01	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
72-43-5	Methoxychlor	ND		ug/kg dry	10.0	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA
8001-35-2	Toxaphene	ND		ug/kg dry	102	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:34	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.6 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*19.6 %*	GC-SC u	*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	0.0203	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 10:51	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 10:51	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 10:51	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 10:51	LAB

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:51	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:51	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 10:51	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0203	1	EPA 8082A Certifications:	08/06/2018 14:15	08/07/2018 10:51	LAB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.0 %*	*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**	**11600**	B	mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-36-0	**Antimony**	**1.23**		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-38-2	**Arsenic**	**4.44**		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-39-3	**Barium**	**166**		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-41-7	**Beryllium**	**0.381**		mg/kg dry	0.122	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-43-9	**Cadmium**	**0.808**		mg/kg dry	0.366	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-70-2	**Calcium**	**54000**		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-47-3	**Chromium**	**11.4**		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-48-4	**Cobalt**	**4.91**		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7440-50-8	**Copper**	**70.0**		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7439-89-6	**Iron**	**20100**		mg/kg dry	2.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7439-92-1	**Lead**	**394**		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML
7439-95-4	**Magnesium**	**3630**		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 13:51	KML

Sample Information

Client Sample ID: B-01 13-15 **York Sample ID:** 18H0143-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**479**		mg/kg dry	0.610	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**12.1**		mg/kg dry	0.610	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1440**		mg/kg dry	6.10	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.22	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.610	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**1520**	B	mg/kg dry	12.2	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.22	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**18.3**		mg/kg dry	1.22	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**261**		mg/kg dry	1.83	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:51	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**	**0.0807**		mg/kg dry	0.0366	1	EPA 7473	08/06/2018 09:23	08/06/2018 10:17	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**	**82.0**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 18:17	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 18:17	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	190	390	1	EPA 8260C Certifications:	08/07/2018 18:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
78-93-3	2-Butanone	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
591-78-6	2-Hexanone	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**110**		ug/kg dry	19	39	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	19	39	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 18:17	08/07/2018 18:17	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
75-09-2	Methylene chloride	ND		ug/kg dry	19	39	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
95-47-6	o-Xylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 18:17	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	19	39	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 18:17	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
100-42-5	Styrene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
108-88-3	Toluene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:17	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	29	58	1	EPA 8260C Certifications:	08/07/2018 18:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 18:17	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*99.3 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*76-130*

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 19:15	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 19:15	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 19:15	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
106-47-8	4-Chloroaniline	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
100-01-6	4-Nitroaniline	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
100-02-7	4-Nitrophenol	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
83-32-9	**Acenaphthene**	**381**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
208-96-8	**Acenaphthylene**	**190**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
98-86-2	Acetophenone	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR NELAC-NY10854,NJDEP,PADEP
62-53-3	Aniline	ND		ug/kg dry	198	396	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR NELAC-NY10854,NJDEP,PADEP
120-12-7	**Anthracene**	**1470**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
1912-24-9	Atrazine	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR NELAC-NY10854,NJDEP,PADEP
100-52-7	Benzaldehyde	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR NELAC-NY10854,NJDEP,PADEP
92-87-5	Benzidine	ND		ug/kg dry	198	396	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,PADEP
56-55-3	**Benzo(a)anthracene**	**5340**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:02	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
50-32-8	**Benzo(a)pyrene**	**5120**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:02	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
205-99-2	**Benzo(b)fluoranthene**	**4020**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:02	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
191-24-2	**Benzo(g,h,i)perylene**	**2800**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
207-08-9	**Benzo(k)fluoranthene**	**4040**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:02	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
65-85-0	Benzoic acid	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR NELAC-NY10854,NJDEP,PADEP
100-51-6	Benzyl alcohol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:15	SR NELAC-NY10854,NJDEP,PADEP

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
105-60-2	Caprolactam	ND		ug/kg dry	98.8	197	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
86-74-8	**Carbazole**	**333**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
218-01-9	**Chrysene**	**4960**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 23:02	SR
53-70-3	**Dibenzo(a,h)anthracene**	**1030**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
132-64-9	**Dibenzofuran**	**90.0**	J	ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
206-44-0	**Fluoranthene**	**9530**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 23:02	SR
86-73-7	**Fluorene**	**271**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2560**		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
78-59-1	Isophorone	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
85-01-8	**Phenanthrene**	**5540**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 23:02	SR
108-95-2	Phenol	ND		ug/kg dry	49.5	98.8	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:15	SR
129-00-0	**Pyrene**	**9570**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 23:02	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*87.7 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*71.5 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*72.2 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*67.1 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*55.9 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*111 %*	*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	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
72-55-9	**4,4'-DDE**	**12.5**		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
50-29-3	**4,4'-DDT**	**50.3**		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
309-00-2	Aldrin	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 11:49	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
57-74-9	Chlordane, total	ND		ug/kg dry	39.0	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 11:49	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
72-20-8	Endrin	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 11:49	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.75	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA
8001-35-2	Toxaphene	ND		ug/kg dry	98.7	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 11:49	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*62.9 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*22.8 %*	GC-SC u	*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	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 11:15	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 11:15	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 11:15	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 11:15	LAB

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**0.0549**		mg/kg dry	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 11:15	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 11:15	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	**Aroclor 1260**	**0.0305**		mg/kg dry	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 11:15	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.0854**		mg/kg dry	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 11:15	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.0 %*	*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**	**8090**	B	mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**1.71**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**5.09**		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**90.0**		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.223**		mg/kg dry	0.118	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**2.15**		mg/kg dry	0.355	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**72300**		mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**19.4**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.03**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**36.0**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**18400**		mg/kg dry	2.37	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**450**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**7900**		mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-02 0-2 **York Sample ID:** 18H0143-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**299**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.5**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**743**		mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**634**	B	mg/kg dry	11.8	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**17.4**		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**834**		mg/kg dry	1.78	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:53	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**	**0.228**		mg/kg dry	0.0355	1	EPA 7473	08/06/2018 09:23	08/06/2018 10:25	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**	**84.4**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 18:44	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 18:44	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	210	1	EPA 8260C Certifications:	08/07/2018 18:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
78-93-3	2-Butanone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
591-78-6	2-Hexanone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**47**		ug/kg dry	11	21	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	11	21	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	08/07/2018 18:44	08/07/2018 18:44	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
75-09-2	Methylene chloride	ND		ug/kg dry	11	21	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
95-47-6	o-Xylene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 18:44	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	11	21	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 18:44	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
100-42-5	Styrene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
75-65-0	**tert-Butyl alcohol (TBA)**	**130**		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
127-18-4	**Tetrachloroethylene**	**40**		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
108-88-3	Toluene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 18:44	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	16	32	1	EPA 8260C Certifications:	08/07/2018 18:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 18:44	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*99.5 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*128 %*	*76-130*

Sample Information

Client Sample ID: **B-03 0-2** **York Sample ID:** **18H0143-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 19:46	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 19:46	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 19:46	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
91-57-6	**2-Methylnaphthalene**	**51.7**	J	ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	**Acenaphthylene**	**179**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	191	381	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**157**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	191	381	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**408**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**1340**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**977**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**1190**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**638**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
117-81-7	**Bis(2-ethylhexyl)phthalate**	**177**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
105-60-2	Caprolactam	ND		ug/kg dry	95.2	190	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR NELAC-NY10854,NJDEP,PADEP
86-74-8	Carbazole	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
218-01-9	**Chrysene**	**524**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
53-70-3	**Dibenzo(a,h)anthracene**	**181**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
132-64-9	Dibenzofuran	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
206-44-0	**Fluoranthene**	**364**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
86-73-7	Fluorene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR NELAC-NY10854,NJDEP,PADEP
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
67-72-1	Hexachloroethane	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
193-39-5	**Indeno(1,2,3-cd)pyrene**	**830**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
78-59-1	Isophorone	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 19:46	SR CTDOH,NELAC-NY10854,NJDEP,PADEP

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
85-01-8	**Phenanthrene**	**177**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
108-95-2	Phenol	ND		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR
129-00-0	**Pyrene**	**902**		ug/kg dry	47.7	95.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 19:46	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*77.6 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*63.3 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.3 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*63.4 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*49.0 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*86.6 %*	*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**	**7.82**		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
72-55-9	**4,4'-DDE**	**5.75**		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
50-29-3	**4,4'-DDT**	**6.58**		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
309-00-2	Aldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 12:04	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.6	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 12:04	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
72-20-8	Endrin	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 12:04	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA
8001-35-2	Toxaphene	ND		ug/kg dry	95.2	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:04	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*63.8 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*18.7 %*	GC-SC u	*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:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 14:52	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 14:52	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 14:52	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 14:52	LAB

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**0.0597**		mg/kg dry	0.0190	1	EPA 8082A	08/06/2018 14:15	08/07/2018 14:52	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A	08/06/2018 14:15	08/07/2018 14:52	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	**Aroclor 1260**	**0.0213**		mg/kg dry	0.0190	1	EPA 8082A	08/06/2018 14:15	08/07/2018 14:52	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	*** Total PCBs**	**0.0809**		mg/kg dry	0.0190	1	EPA 8082A	08/06/2018 14:15	08/07/2018 14:52	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*46.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*46.5 %*	*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**	**7250**	B	mg/kg dry	5.70	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**4.32**		mg/kg dry	1.14	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**260**		mg/kg dry	1.14	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	**Beryllium**	**0.178**		mg/kg dry	0.114	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**1.09**		mg/kg dry	0.342	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**43700**		mg/kg dry	5.70	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**11.4**		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**3.95**		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**30.5**		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**12200**		mg/kg dry	2.28	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**141**		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**3620**		mg/kg dry	5.70	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: B-03 0-2 **York Sample ID:** 18H0143-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**174**		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**11.0**		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1540**		mg/kg dry	5.70	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**936**	B	mg/kg dry	11.4	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**17.8**		mg/kg dry	1.14	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**150**		mg/kg dry	1.71	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:55	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**	**0.176**		mg/kg dry	0.0342	1	EPA 7473	08/06/2018 09:23	08/06/2018 10:34	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**	**87.6**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 19:41	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 19:41	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	920	1800	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
78-93-3	2-Butanone	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
591-78-6	2-Hexanone	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	92	180	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
107-02-8	Acrolein	ND		ug/kg dry	92	180	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
107-13-1	Acrylonitrile	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
71-43-2	Benzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
74-97-5	Bromochloromethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-27-4	Bromodichloromethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-25-2	Bromoform	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
74-83-9	Bromomethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-15-0	Carbon disulfide	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
108-90-7	Chlorobenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-00-3	Chloroethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
67-66-3	Chloroform	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
74-87-3	Chloromethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
110-82-7	Cyclohexane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
124-48-1	Dibromochloromethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
74-95-3	Dibromomethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
100-41-4	Ethyl Benzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
98-82-8	Isopropylbenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-09-2	Methylene chloride	ND		ug/kg dry	92	180	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
95-47-6	o-Xylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 19:41	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	92	180	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 19:41	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
100-42-5	Styrene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
108-88-3	Toluene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	46	92	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 19:41	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	140	280	1	EPA 8260C Certifications:	08/07/2018 19:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 19:41	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.8 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*96.8 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*76-130*

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 20:16	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 20:16	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 20:16	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	923	1850	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	Anthracene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	923	1850	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**774**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**811**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**693**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**472**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**678**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	461	921	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**708**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**1240**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	Fluorene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**383**	J	ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
85-01-8	**Phenanthrene**	**560**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
108-95-2	Phenol	ND		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR
129-00-0	**Pyrene**	**1600**		ug/kg dry	231	461	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:16	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*64.6 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*55.6 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*53.2 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*42.4 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*96.4 %*	*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	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
50-29-3	**4,4'-DDT**	**11.7**		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
309-00-2	Aldrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
5103-71-9	**alpha-Chlordane**	**14.0**		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 12:19	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
57-74-9	Chlordane, total	ND		ug/kg dry	36.3	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
60-57-1	**Dieldrin**	**3.22**		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 12:19	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
72-20-8	Endrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
5566-34-7	**gamma-Chlordane**	**9.32**		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 12:19	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.08	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA
8001-35-2	Toxaphene	ND		ug/kg dry	91.9	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:19	SA

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.0 %*	*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	0.0183	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 15:16	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 15:16	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 15:16	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 15:16	LAB

Sample Information

Client Sample ID: **B-04 0-2** **York Sample ID:** **18H0143-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**0.0381**		mg/kg dry	0.0183	1	EPA 8082A	08/06/2018 14:15	08/07/2018 15:16	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	08/06/2018 14:15	08/07/2018 15:16	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	08/06/2018 14:15	08/07/2018 15:16	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	*** Total PCBs**	**0.0381**		mg/kg dry	0.0183	1	EPA 8082A	08/06/2018 14:15	08/07/2018 15:16	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*55.0 %*	*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**	**6370**	B	mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**0.577**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**5.07**		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**68.9**		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	**Beryllium**	**0.131**		mg/kg dry	0.111	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**53800**		mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**18.7**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**5.24**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**31.6**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**12700**		mg/kg dry	2.21	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**42.9**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**9800**		mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: B-04 0-2 **York Sample ID:** 18H0143-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**231**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**13.3**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1260**		mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**308**	B	mg/kg dry	11.1	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**20.5**		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**67.5**		mg/kg dry	1.66	1	EPA 6010C	08/06/2018 09:24	08/07/2018 13:57	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**	**0.0857**		mg/kg dry	0.0332	1	EPA 7473	08/06/2018 09:23	08/06/2018 10:43	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**	**90.4**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: **B-04 13-15** **York Sample ID:** **18H0143-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 20:08	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 20:08	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	99	200	1	EPA 8260C Certifications:	08/07/2018 20:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
78-93-3	2-Butanone	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
591-78-6	2-Hexanone	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP

Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**36**		ug/kg dry	9.9	20	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	9.9	20	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	08/07/2018 20:08	08/07/2018 20:08	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
75-09-2	Methylene chloride	ND		ug/kg dry	9.9	20	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
95-47-6	o-Xylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 20:08	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	9.9	20	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 20:08	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
100-42-5	Styrene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
108-88-3	Toluene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:08	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	15	30	1	EPA 8260C Certifications:	08/07/2018 20:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 20:08	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.0 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*96.1 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*76-130*

Sample Information

Client Sample ID: **B-04 13-15** **York Sample ID:** **18H0143-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**84.7**	J	ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	114	227	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,PADEP			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,PADEP			
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	114	227	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	114	227	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-57-8	2-Chlorophenol	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	**2-Methylnaphthalene**	**187**		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-48-7	2-Methylphenol	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		ug/kg dry	114	227	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-75-5	2-Nitrophenol	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	57.1	114	2	EPA 8270D	08/06/2018 14:08	08/07/2018 20:47	SR
								Certifications: NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	114	227	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	114	227	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	114	227	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	114	227	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	**Acenaphthene**	**1050**		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	**Acenaphthylene**	**562**		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	228	456	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**3840**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	228	456	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**9550**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**8540**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**6960**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**5160**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**6150**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR



Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	114	227	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	**Carbazole**	**665**		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**9150**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	**Dibenzo(a,h)anthracene**	**982**		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	**Dibenzofuran**	**417**		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**19300**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	**Fluorene**	**1070**		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4430**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 23:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	**Naphthalene**	**261**		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 20:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:47	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:47	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:47	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:47	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:47	SR
85-01-8	**Phenanthrene**	**16600**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 23:32	SR
108-95-2	Phenol	ND		ug/kg dry	57.1	114	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:47	SR
129-00-0	**Pyrene**	**18400**		ug/kg dry	571	1140	20	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 23:32	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*84.6 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*65.9 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*65.4 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*67.5 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*66.2 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*84.9 %*	*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	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
72-55-9	**4,4'-DDE**	**7.35**		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
50-29-3	**4,4'-DDT**	**25.6**		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
309-00-2	Aldrin	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 12:34	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
57-74-9	Chlordane, total	ND		ug/kg dry	44.8	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA

Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
60-57-1	**Dieldrin**	**6.61**		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 12:34	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
72-20-8	Endrin	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 12:34	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.24	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
72-43-5	Methoxychlor	ND		ug/kg dry	11.2	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA
8001-35-2	Toxaphene	ND		ug/kg dry	113	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:34	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.5 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*27.3 %*	GC-SC u	*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	0.0226	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:09	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0226	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:09	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0226	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:09	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0226	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:09	LAB

Sample Information

Client Sample ID: **B-04 13-15** **York Sample ID:** **18H0143-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	0.0226	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:09	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0226	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:09	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	**Aroclor 1260**	**0.0252**		mg/kg dry	0.0226	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:09	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.0252**		mg/kg dry	0.0226	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:09	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*54.0 %*	*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**	**10500**	B	mg/kg dry	6.83	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**1.94**		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.76**		mg/kg dry	1.37	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**110**		mg/kg dry	1.37	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.306**		mg/kg dry	0.137	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.636**		mg/kg dry	0.410	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**61400**		mg/kg dry	6.83	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**12.2**		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**5.24**		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**21.3**		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13300**		mg/kg dry	2.73	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**281**		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6810**		mg/kg dry	6.83	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-04 13-15 **York Sample ID:** 18H0143-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**264**		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**13.3**		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1550**		mg/kg dry	6.83	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.37	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.683	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**1370**	B	mg/kg dry	13.7	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.37	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**16.4**		mg/kg dry	1.37	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**220**		mg/kg dry	2.05	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:04	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**	**0.220**		mg/kg dry	0.0410	1	EPA 7473	08/06/2018 09:23	08/06/2018 10:52	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**	**73.2**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 20:36	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 20:36	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	190	380	1	EPA 8260C Certifications:	08/07/2018 20:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
78-93-3	2-Butanone	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
591-78-6	2-Hexanone	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	J	ug/kg dry	19	38	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	19	38	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C	08/07/2018 20:36	08/07/2018 20:36	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
75-09-2	Methylene chloride	ND		ug/kg dry	19	38	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
95-47-6	o-Xylene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 20:36	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	19	38	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 20:36	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
100-42-5	Styrene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
108-88-3	Toluene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	9.6	19	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 20:36	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	29	58	1	EPA 8260C Certifications:	08/07/2018 20:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 20:36	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*115 %*	*76-130*

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 21:17	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 21:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 21:17	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	**Acenaphthene**	**73.7**	J	ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	**Acenaphthylene**	**124**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	185	369	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**402**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	185	369	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**2220**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**2150**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**2300**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**980**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**1670**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:17 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**61.2**	J	ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
105-60-2	Caprolactam	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
86-74-8	**Carbazole**	**105**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
218-01-9	**Chrysene**	**2180**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
53-70-3	**Dibenzo(a,h)anthracene**	**239**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
206-44-0	**Fluoranthene**	**3450**		ug/kg dry	116	231	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/09/2018 00:03	SR
86-73-7	**Fluorene**	**70.0**	J	ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**901**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
78-59-1	Isophorone	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:08	08/07/2018 21:17	SR

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
85-01-8	**Phenanthrene**	**1290**		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
108-95-2	Phenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:17	SR
129-00-0	**Pyrene**	**3550**		ug/kg dry	116	231	5	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/09/2018 00:03	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*65.2 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*60.3 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*55.4 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.8 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*48.8 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*88.7 %*	*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	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:49	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:49	SA
50-29-3	**4,4'-DDT**	**22.1**		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:49	SA
309-00-2	Aldrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:49	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:49	SA
5103-71-9	**alpha-Chlordane**	**11.3**		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 12:49	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:49	SA
57-74-9	Chlordane, total	ND		ug/kg dry	36.4	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 12:49	SA

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
60-57-1	**Dieldrin**	**5.67**		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/06/2018 14:15	08/08/2018 12:49	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
72-20-8	Endrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
5566-34-7	**gamma-Chlordane**	**8.03**		ug/kg dry	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/06/2018 14:15	08/08/2018 12:49	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.11	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA
8001-35-2	Toxaphene	ND		ug/kg dry	92.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 14:15	08/08/2018 12:49	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.6 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*26.4 %*	GC-SC u	*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	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 16:33	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 16:33	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 16:33	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 16:33	LAB

Sample Information

Client Sample ID: **B-05 0-2** **York Sample ID:** **18H0143-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**0.0528**		mg/kg dry	0.0184	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:33	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:33	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	**Aroclor 1260**	**0.0347**		mg/kg dry	0.0184	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:33	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	*** Total PCBs**	**0.0876**		mg/kg dry	0.0184	1	EPA 8082A	08/06/2018 14:15	08/07/2018 16:33	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.0 %*	*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**	**6710**	B	mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**1.44**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**4.18**		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**62.8**		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	**Beryllium**	**0.166**		mg/kg dry	0.111	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**75100**		mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**18.2**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**5.51**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**30.2**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**10800**		mg/kg dry	2.21	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**69.4**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**12700**		mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: B-05 0-2 **York Sample ID:** 18H0143-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 24, 2018 3:00 pm	08/03/2018

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**	**194**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**14.0**		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1040**		mg/kg dry	5.53	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**2.10**		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**574**	B	mg/kg dry	11.1	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**18.6**		mg/kg dry	1.11	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**146**		mg/kg dry	1.66	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:06	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**	**0.0860**		mg/kg dry	0.0332	1	EPA 7473	08/06/2018 09:23	08/06/2018 11:01	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**	**90.4**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: B-06 13-15 **York Sample ID:** 18H0143-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: **B-06 13-15** **York Sample ID:** **18H0143-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 21:04	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 21:04	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	110	220	1	EPA 8260C Certifications:	08/07/2018 21:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
78-93-3	2-Butanone	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
591-78-6	2-Hexanone	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP

Sample Information

Client Sample ID: **B-06 13-15** **York Sample ID:** **18H0143-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**22**	J	ug/kg dry	11	22	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	11	22	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**9.2**	J	ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	08/07/2018 21:04	08/07/2018 21:04	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-06 13-15 **York Sample ID:** 18H0143-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
75-09-2	Methylene chloride	ND		ug/kg dry	11	22	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
95-47-6	o-Xylene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 21:04	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	11	22	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 21:04	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
100-42-5	Styrene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
108-88-3	Toluene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:04	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	17	34	1	EPA 8260C Certifications:	08/07/2018 21:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 21:04	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*94.3 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.6 %*	*76-130*

Sample Information

Client Sample ID: **B-06 13-15** **York Sample ID:** **18H0143-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 21:47	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 21:47	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 21:47	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR

Sample Information

Client Sample ID: B-06 13-15 **York Sample ID:** 18H0143-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	243	486	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	Anthracene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	243	486	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-06 13-15 **York Sample ID:** 18H0143-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	121	242	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	Chrysene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	Fluoranthene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	Fluorene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 21:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-06 13-15 **York Sample ID:** 18H0143-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
85-01-8	Phenanthrene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
108-95-2	Phenol	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR
129-00-0	Pyrene	ND		ug/kg dry	60.8	121	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 21:47	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*64.6 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*50.0 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*49.0 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*48.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*41.8 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*74.9 %*	*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	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
309-00-2	Aldrin	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/07/2018 20:04	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
57-74-9	Chlordane, total	ND		ug/kg dry	48.0	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA

Sample Information

Client Sample ID: B-06 13-15 **York Sample ID:** 18H0143-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/07/2018 20:04	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
72-20-8	Endrin	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/07/2018 20:04	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.40	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
72-43-5	Methoxychlor	ND		ug/kg dry	12.0	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA
8001-35-2	Toxaphene	ND		ug/kg dry	121	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 20:04	SA

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*58.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.3 %*	*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	0.0242	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:57	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0242	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:57	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0242	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:57	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0242	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 16:57	LAB

Sample Information

Client Sample ID: **B-06 13-15** **York Sample ID:** **18H0143-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	0.0242	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 16:57	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0242	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 16:57	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0242	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 16:57	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0242	1	EPA 8082A Certifications:	08/06/2018 14:15	08/07/2018 16:57	LAB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*57.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.5 %*	*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**	**24100**	B	mg/kg dry	7.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-36-0	**Antimony**	**5.60**		mg/kg dry	0.727	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-38-2	**Arsenic**	**2.29**		mg/kg dry	1.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-39-3	**Barium**	**275**		mg/kg dry	1.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.145	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-43-9	**Cadmium**	**0.823**		mg/kg dry	0.436	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-70-2	**Calcium**	**7520**		mg/kg dry	7.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-47-3	**Chromium**	**76.3**		mg/kg dry	0.727	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-48-4	**Cobalt**	**51.5**		mg/kg dry	0.727	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7440-50-8	**Copper**	**73.5**		mg/kg dry	0.727	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7439-89-6	**Iron**	**63900**		mg/kg dry	2.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7439-92-1	**Lead**	**2.31**		mg/kg dry	0.727	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML
7439-95-4	**Magnesium**	**12800**		mg/kg dry	7.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:08	KML

Sample Information

Client Sample ID: B-06 13-15 **York Sample ID:** 18H0143-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**414**		mg/kg dry	0.727	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**98.4**		mg/kg dry	0.727	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**12800**		mg/kg dry	7.27	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.45	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.727	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**596**	B	mg/kg dry	14.5	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.45	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**132**		mg/kg dry	1.45	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**83.1**		mg/kg dry	2.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:08	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	ND		mg/kg dry	0.0436	1	EPA 7473	08/06/2018 09:23	08/06/2018 11:10	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**	**68.7**		%	0.100	1	SM 2540G	08/09/2018 10:31	08/09/2018 15:04	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 NELAC-NY10854,NELAC-NY12058,NJDEP	PP
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	140	280	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
78-93-3	2-Butanone	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
591-78-6	2-Hexanone	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PP

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**		ug/kg dry	14	28	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	14	28	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C	08/07/2018 21:31	08/07/2018 21:31	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
75-09-2	Methylene chloride	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
104-51-8	n-Butylbenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
103-65-1	n-Propylbenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
95-47-6	o-Xylene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 21:31	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	14	28	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 21:31	PP
99-87-6	p-Isopropyltoluene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
135-98-8	sec-Butylbenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
100-42-5	Styrene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
98-06-6	tert-Butylbenzene	ND	IS-LO	ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
108-88-3	Toluene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	7.1	14	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:31	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	21	43	1	EPA 8260C Certifications:	08/07/2018 21:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 21:31	PP

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*		*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*		*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*135 %*	S-08	*76-130*

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 22:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 22:18	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 22:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	494	987	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	989	1980	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**509**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	989	1980	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**2390**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**1690**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**1500**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**1150**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**1330**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:18 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**734**		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**474**	J	ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/kg dry	494	987	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**2230**		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**292**	J	ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**4450**		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**983**		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	248	494	10	EPA 8270D	08/06/2018 14:08	08/07/2018 22:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
85-01-8	**Phenanthrene**	**1970**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
108-95-2	Phenol	ND		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR
129-00-0	**Pyrene**	**4500**		ug/kg dry	248	494	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:18	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*59.8 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*62.4 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.8 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*40.8 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*80.0 %*	*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	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
50-29-3	**4,4'-DDT**	**81.3**		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
309-00-2	Aldrin	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:04	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
57-74-9	Chlordane, total	ND		ug/kg dry	39.0	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 13:04	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
72-20-8	Endrin	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:04	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.74	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA
8001-35-2	Toxaphene	ND		ug/kg dry	98.6	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:04	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.4 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*24.7 %*	GC-SC u	*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	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:21	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:21	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:21	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:21	LAB

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 17:21	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	**Aroclor 1254**	**0.327**		mg/kg dry	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 17:21	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	**Aroclor 1260**	**0.0658**		mg/kg dry	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 17:21	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.392**		mg/kg dry	0.0197	1	EPA 8082A	08/06/2018 14:15	08/07/2018 17:21	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.0 %*	*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**	**7010**	B	mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.84**		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**444**		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.189**		mg/kg dry	0.118	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.902**		mg/kg dry	0.355	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**55100**		mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**19.3**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.84**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**28.4**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16200**		mg/kg dry	2.37	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**176**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6720**		mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-07 0-2 **York Sample ID:** 18H0143-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**217**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.5**		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**599**		mg/kg dry	5.92	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.592	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**649**	B	mg/kg dry	11.8	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**17.4**		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**301**		mg/kg dry	1.78	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:10	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**	**0.376**		mg/kg dry	0.0355	1	EPA 7473	08/06/2018 09:23	08/06/2018 11:37	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**	**84.4**		%	0.100	1	SM 2540G	08/09/2018 10:33	08/09/2018 15:12	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: **B-07 13-15** **York Sample ID:** **18H0143-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 21:59	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 21:59	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	190	390	1	EPA 8260C Certifications:	08/07/2018 21:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
78-93-3	2-Butanone	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
591-78-6	2-Hexanone	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP

Sample Information

Client Sample ID: **B-07 13-15** **York Sample ID:** **18H0143-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**110**		ug/kg dry	19	39	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	19	39	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**21**		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C	08/07/2018 21:59	08/07/2018 21:59	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
75-09-2	Methylene chloride	ND		ug/kg dry	19	39	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
95-47-6	o-Xylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 21:59	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	19	39	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 21:59	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
100-42-5	Styrene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
108-88-3	Toluene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	9.7	19	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 21:59	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	29	58	1	EPA 8260C Certifications:	08/07/2018 21:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 21:59	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*95.4 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.3 %*	*76-130*

Sample Information

Client Sample ID: **B-07 13-15** **York Sample ID:** **18H0143-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 22:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 22:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 22:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
91-57-6	**2-Methylnaphthalene**	**73.6**	J	ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
100-01-6	4-Nitroaniline	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
100-02-7	4-Nitrophenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
83-32-9	Acenaphthene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
208-96-8	**Acenaphthylene**	**56.0**	J	ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
98-86-2	Acetophenone	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR NELAC-NY10854,NJDEP,PADEP
62-53-3	Aniline	ND		ug/kg dry	200	401	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR NELAC-NY10854,NJDEP,PADEP
120-12-7	**Anthracene**	**57.6**	J	ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
1912-24-9	Atrazine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR NELAC-NY10854,NJDEP,PADEP
100-52-7	Benzaldehyde	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR NELAC-NY10854,NJDEP,PADEP
92-87-5	Benzidine	ND		ug/kg dry	200	401	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,PADEP
56-55-3	**Benzo(a)anthracene**	**165**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
50-32-8	**Benzo(a)pyrene**	**161**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
191-24-2	**Benzo(g,h,i)perylene**	**130**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR CTDOH,NELAC-NY10854,NJDEP,PADEP
65-85-0	Benzoic acid	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR NELAC-NY10854,NJDEP,PADEP
100-51-6	Benzyl alcohol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48	SR NELAC-NY10854,NJDEP,PADEP

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**287**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	100	200	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**141**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**234**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	Fluorene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**102**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 22:48 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
85-01-8	**Phenanthrene**	**281**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
108-95-2	Phenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR
129-00-0	**Pyrene**	**237**		ug/kg dry	50.1	100	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 22:48	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*25.5 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*40.5 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.0 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*19.4 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*68.3 %*	*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	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
309-00-2	Aldrin	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:19	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
57-74-9	Chlordane, total	ND		ug/kg dry	39.4	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 13:19	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
72-20-8	Endrin	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:19	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.97	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.85	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA
8001-35-2	Toxaphene	ND		ug/kg dry	99.6	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:19	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.8 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*16.2 %*	GC-SC u	*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	0.0199	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:45	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:45	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:45	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 17:45	LAB

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 17:45	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 17:45	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 17:45	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	08/06/2018 14:15	08/07/2018 17:45	LAB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.0 %*	*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**	**13300**	B	mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-36-0	**Antimony**	**10.6**		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-38-2	**Arsenic**	**1.65**		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-39-3	**Barium**	**231**		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-43-9	**Cadmium**	**0.579**		mg/kg dry	0.360	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-70-2	**Calcium**	**32500**		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-47-3	**Chromium**	**41.1**		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-48-4	**Cobalt**	**15.8**		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7440-50-8	**Copper**	**36.2**		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7439-89-6	**Iron**	**28100**		mg/kg dry	2.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7439-92-1	**Lead**	**8.10**		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML
7439-95-4	**Magnesium**	**10900**		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:12	KML

Sample Information

Client Sample ID: B-07 13-15 **York Sample ID:** 18H0143-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**317**		mg/kg dry	0.600	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**28.0**		mg/kg dry	0.600	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**7590**		mg/kg dry	6.00	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	1.20	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**410**	B	mg/kg dry	12.0	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**73.1**		mg/kg dry	1.20	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**67.0**		mg/kg dry	1.80	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:12	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	ND		mg/kg dry	0.0360	1	EPA 7473	08/06/2018 09:23	08/06/2018 11:46	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**	**83.4**		%	0.100	1	SM 2540G	08/09/2018 10:33	08/09/2018 15:12	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 22:26	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 22:26	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	290	570	1	EPA 8260C Certifications:	08/07/2018 22:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
78-93-3	2-Butanone	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
591-78-6	2-Hexanone	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**300**		ug/kg dry	29	57	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	29	57	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	14	29	1	EPA 8260C	08/07/2018 22:26	08/07/2018 22:26	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
75-09-2	Methylene chloride	ND		ug/kg dry	29	57	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
95-47-6	o-Xylene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 22:26	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	29	57	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 22:26	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
100-42-5	Styrene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
108-88-3	Toluene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	14	29	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:26	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	43	86	1	EPA 8260C Certifications:	08/07/2018 22:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 22:26	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*97.0 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*115 %*	*76-130*

Sample Information

Client Sample ID: **B-08 0-2** **York Sample ID:** **18H0143-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 23:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 23:18	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 23:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	980	1960	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**434**	J	ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	980	1960	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**1300**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**1320**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**1090**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**583**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**1070**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	489	977	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**1160**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**2150**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	Fluorene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**458**	J	ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:18 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
85-01-8	**Phenanthrene**	**1400**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
108-95-2	Phenol	ND		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR
129-00-0	**Pyrene**	**2290**		ug/kg dry	245	489	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:18	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*66.2 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*60.2 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.4 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*62.0 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*50.2 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*93.6 %*	*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	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
50-29-3	**4,4'-DDT**	**11.7**		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
309-00-2	Aldrin	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:34	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
57-74-9	Chlordane, total	ND		ug/kg dry	38.7	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 13:34	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
72-20-8	Endrin	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:34	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.94	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.68	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA
8001-35-2	Toxaphene	ND		ug/kg dry	98.0	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:34	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.0 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*29.3 %*	GC-SC u	*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	0.0195	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:09	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:09	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:09	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:09	LAB

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 18:09	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 18:09	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/06/2018 14:15	08/07/2018 18:09	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	08/06/2018 14:15	08/07/2018 18:09	LAB

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.5 %*	*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**	**7740**	B	mg/kg dry	5.89	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-36-0	**Antimony**	**0.989**		mg/kg dry	0.589	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-38-2	**Arsenic**	**4.83**		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-39-3	**Barium**	**121**		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-41-7	**Beryllium**	**0.200**		mg/kg dry	0.118	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-43-9	**Cadmium**	**0.353**		mg/kg dry	0.353	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-70-2	**Calcium**	**66100**		mg/kg dry	5.89	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-47-3	**Chromium**	**18.7**		mg/kg dry	0.589	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-48-4	**Cobalt**	**5.19**		mg/kg dry	0.589	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7440-50-8	**Copper**	**22.8**		mg/kg dry	0.589	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7439-89-6	**Iron**	**12100**		mg/kg dry	2.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7439-92-1	**Lead**	**65.0**		mg/kg dry	0.589	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML
7439-95-4	**Magnesium**	**9970**		mg/kg dry	5.89	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/06/2018 09:24	08/07/2018 14:14	KML

Sample Information

Client Sample ID: B-08 0-2 **York Sample ID:** 18H0143-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**211**		mg/kg dry	0.589	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**14.4**		mg/kg dry	0.589	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**947**		mg/kg dry	5.89	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.589	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**390**	B	mg/kg dry	11.8	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.8**		mg/kg dry	1.18	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**90.4**		mg/kg dry	1.77	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:14	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**	**0.231**		mg/kg dry	0.0353	1	EPA 7473	08/06/2018 09:23	08/06/2018 11:55	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**	**84.9**		%	0.100	1	SM 2540G	08/09/2018 10:33	08/09/2018 15:12	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 22:54	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 22:54	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	170	330	1	EPA 8260C Certifications:	08/07/2018 22:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
78-93-3	2-Butanone	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
591-78-6	2-Hexanone	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**81**		ug/kg dry	17	33	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	17	33	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C	08/07/2018 22:54	08/07/2018 22:54	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
75-09-2	Methylene chloride	ND		ug/kg dry	17	33	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
95-47-6	o-Xylene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 22:54	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	17	33	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/07/2018 22:54	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
100-42-5	Styrene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
108-88-3	Toluene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/07/2018 22:54	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	25	50	1	EPA 8260C Certifications:	08/07/2018 22:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/07/2018 22:54	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*98.3 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*113 %*	*76-130*

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 23:49	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 23:49	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/07/2018 23:49	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	947	1890	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**454**	J	ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	947	1890	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**2330**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**2250**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**1970**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**983**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**1680**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	473	945	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	Carbazole	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**2250**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	**Dibenzo(a,h)anthracene**	**408**	J	ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**3480**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	Fluorene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1040**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08	08/07/2018 23:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
85-01-8	**Phenanthrene**	**1060**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
108-95-2	Phenol	ND		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR
129-00-0	**Pyrene**	**3960**		ug/kg dry	237	473	10	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/07/2018 23:49	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*77.2 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*63.6 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.2 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*67.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*60.2 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*115 %*	*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**	**5.94**		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
50-29-3	**4,4'-DDT**	**14.3**		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
309-00-2	Aldrin	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
5103-71-9	**alpha-Chlordane**	**6.28**		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:49	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.3	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
60-57-1	**Dieldrin**	**2.93**		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 13:49	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
72-20-8	Endrin	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
5566-34-7	**gamma-Chlordane**	**5.53**		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 13:49	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.87	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.33	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA
8001-35-2	Toxaphene	ND		ug/kg dry	94.5	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 13:49	SA

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*55.4 %*		*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*19.9 %*	GC-SC u	*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	0.0188	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:33	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:33	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:33	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:33	LAB

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**0.0243**		mg/kg dry	0.0188	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:33	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:33	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	**Aroclor 1260**	**0.0188**		mg/kg dry	0.0188	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:33	LAB
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	*** Total PCBs**	**0.0243**		mg/kg dry	0.0188	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:33	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.5 %*	*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**	**5720**	B	mg/kg dry	5.67	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**1.06**		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**5.20**		mg/kg dry	1.13	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**65.7**		mg/kg dry	1.13	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.132**		mg/kg dry	0.113	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.341**		mg/kg dry	0.340	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**79300**		mg/kg dry	5.67	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**20.8**		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.22**		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**24.2**		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**8660**		mg/kg dry	2.27	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**72.5**		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**14500**		mg/kg dry	5.67	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-09 0-2 **York Sample ID:** 18H0143-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**191**		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**12.4**		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**798**		mg/kg dry	5.67	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**7.02**		mg/kg dry	1.13	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.567	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**347**	B	mg/kg dry	11.3	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**16.2**		mg/kg dry	1.13	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**104**		mg/kg dry	1.70	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:16	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**	**0.158**		mg/kg dry	0.0340	1	EPA 7473	08/06/2018 09:23	08/06/2018 12:04	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**	**88.1**		%	0.100	1	SM 2540G	08/09/2018 10:33	08/09/2018 15:12	TAJ
							Certifications: CTDOH			

Sample Information

Client Sample ID: B-09 13-15 **York Sample ID:** 18H0143-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

Sample Information

Client Sample ID: **B-09 13-15** **York Sample ID:** **18H0143-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/08/2018 20:32	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 NELAC-NY10854,NELAC-NY12058,NJDEP	08/08/2018 20:32	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
95-63-6	**1,2,4-Trimethylbenzene**	**49**		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
123-91-1	1,4-Dioxane	ND		ug/kg dry	350	700	1	EPA 8260C Certifications:	08/08/2018 20:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
78-93-3	2-Butanone	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
591-78-6	2-Hexanone	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP

Sample Information

Client Sample ID: **B-09 13-15** **York Sample ID:** **18H0143-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**99**		ug/kg dry	35	70	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/kg dry	35	70	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	**Carbon disulfide**	**24**	J	ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/kg dry	17	35	1	EPA 8260C	08/08/2018 20:32	08/08/2018 20:32	PP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: B-09 13-15 **York Sample ID:** 18H0143-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
108-87-2	Methylcyclohexane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
75-09-2	Methylene chloride	ND		ug/kg dry	35	70	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
104-51-8	n-Butylbenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
103-65-1	n-Propylbenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
95-47-6	o-Xylene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/08/2018 20:32	PP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	35	70	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/08/2018 20:32	PP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
100-42-5	Styrene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
98-06-6	tert-Butylbenzene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
127-18-4	Tetrachloroethylene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
108-88-3	Toluene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
79-01-6	Trichloroethylene	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
75-01-4	Vinyl Chloride	ND		ug/kg dry	17	35	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/08/2018 20:32	PP
1330-20-7	Xylenes, Total	ND		ug/kg dry	52	100	1	EPA 8260C Certifications:	08/08/2018 20:32 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/08/2018 20:32	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*117 %*	*76-130*

Sample Information

Client Sample ID: **B-09 13-15** **York Sample ID:** **18H0143-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/08/2018 00:19	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/08/2018 00:19	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,PADEP	08/08/2018 00:19	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
91-57-6	**2-Methylnaphthalene**	**83.1**	J	ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR

Sample Information

Client Sample ID: B-09 13-15 **York Sample ID:** 18H0143-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	212	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	**Acenaphthene**	**228**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	**Acenaphthylene**	**56.0**	J	ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-86-2	Acetophenone	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	212	425	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**603**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1912-24-9	Atrazine	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR
92-87-5	Benzidine	ND		ug/kg dry	212	425	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**1190**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**1090**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**963**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**650**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**959**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65-85-0	Benzoic acid	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-09 13-15 **York Sample ID:** 18H0143-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-60-2	Caprolactam	ND		ug/kg dry	106	212	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	**Carbazole**	**159**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**1110**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	**Dibenzo(a,h)anthracene**	**235**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	**Dibenzofuran**	**105**	J	ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**2640**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	**Fluorene**	**220**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**560**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08	08/08/2018 00:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: B-09 13-15 **York Sample ID:** 18H0143-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
85-01-8	**Phenanthrene**	**2950**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
108-95-2	Phenol	ND		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR
129-00-0	**Pyrene**	**2220**		ug/kg dry	53.2	106	2	EPA 8270D Certifications:	08/06/2018 14:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 00:19	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*49.8 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*45.7 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*48.5 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.2 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*37.5 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*75.8 %*	*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:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
50-29-3	**4,4'-DDT**	**4.82**		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
309-00-2	Aldrin	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 14:04	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
57-74-9	Chlordane, total	ND		ug/kg dry	41.8	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA

Sample Information

Client Sample ID: B-09 13-15 **York Sample ID:** 18H0143-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854	08/08/2018 14:04	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
72-20-8	Endrin	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 NELAC-NY10854,NJDEP	08/08/2018 14:04	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.09	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
72-43-5	Methoxychlor	ND		ug/kg dry	10.4	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA
8001-35-2	Toxaphene	ND		ug/kg dry	106	5	EPA 8081B Certifications:	08/06/2018 14:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/08/2018 14:04	SA

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*71.4 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*30.6 %*	*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:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:57	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:57	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:57	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0211	1	EPA 8082A Certifications:	08/06/2018 14:15 NELAC-NY10854,CTDOH,NJDEP,PADEP	08/07/2018 18:57	LAB

Sample Information

Client Sample ID: **B-09 13-15** **York Sample ID:** **18H0143-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**0.0302**		mg/kg dry	0.0211	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:57	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0211	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:57	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0211	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:57	LAB
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	*** Total PCBs**	**0.0302**		mg/kg dry	0.0211	1	EPA 8082A	08/06/2018 14:15	08/07/2018 18:57	LAB
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*63.5 %*	*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**	**7210**	B	mg/kg dry	6.36	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	**Antimony**	**40.8**		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**1.90**		mg/kg dry	1.27	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**77.2**		mg/kg dry	1.27	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.127	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**0.414**		mg/kg dry	0.382	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**39200**		mg/kg dry	6.36	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**30.3**		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**7.75**		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**73.6**		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**15200**		mg/kg dry	2.54	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**57.8**		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**6020**		mg/kg dry	6.36	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: B-09 13-15 **York Sample ID:** 18H0143-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H0143	KM17075	Soil	July 27, 2018 3:00 pm	08/03/2018

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**	**219**		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**15.8**		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1980**		mg/kg dry	6.36	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	1.27	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.636	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**778**	B	mg/kg dry	12.7	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.27	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**21.7**		mg/kg dry	1.27	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**127**		mg/kg dry	1.91	1	EPA 6010C	08/06/2018 09:24	08/07/2018 14:18	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**	**1.81**		mg/kg dry	0.0382	1	EPA 7473	08/06/2018 09:23	08/06/2018 12:13	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**	**78.6**		%	0.100	1	SM 2540G	08/09/2018 10:33	08/09/2018 15:12	TAJ
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BH80235 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-01	B-01 0-2	08/06/18
18H0143-02	B-01 13-15	08/06/18
18H0143-03	B-02 0-2	08/06/18
18H0143-04	B-03 0-2	08/06/18
18H0143-05	B-04 0-2	08/06/18
18H0143-06	B-04 13-15	08/06/18
18H0143-07	B-05 0-2	08/06/18
18H0143-08	B-06 13-15	08/06/18
18H0143-09	B-07 0-2	08/06/18
18H0143-10	B-07 13-15	08/06/18
18H0143-11	B-08 0-2	08/06/18
18H0143-12	B-09 0-2	08/06/18
18H0143-13	B-09 13-15	08/06/18
BH80235-BLK1	Blank	08/06/18
BH80235-SRM1	Reference	08/06/18

Batch ID: BH80236 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-01	B-01 0-2	08/06/18
18H0143-02	B-01 13-15	08/06/18
18H0143-03	B-02 0-2	08/06/18
18H0143-04	B-03 0-2	08/06/18
18H0143-05	B-04 0-2	08/06/18
18H0143-06	B-04 13-15	08/06/18
18H0143-07	B-05 0-2	08/06/18
18H0143-08	B-06 13-15	08/06/18
18H0143-09	B-07 0-2	08/06/18
18H0143-10	B-07 13-15	08/06/18
18H0143-11	B-08 0-2	08/06/18
18H0143-12	B-09 0-2	08/06/18
18H0143-13	B-09 13-15	08/06/18
BH80236-BLK1	Blank	08/06/18
BH80236-DUP1	Duplicate	08/06/18
BH80236-MS1	Matrix Spike	08/06/18
BH80236-SRM1	Reference	08/06/18

Batch ID: BH80258 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-01	B-01 0-2	08/06/18
18H0143-01RE1	B-01 0-2	08/06/18
18H0143-02	B-01 13-15	08/06/18
18H0143-02RE1	B-01 13-15	08/06/18
18H0143-03	B-02 0-2	08/06/18

18H0143-03RE1	B-02 0-2	08/06/18
18H0143-04	B-03 0-2	08/06/18
18H0143-05	B-04 0-2	08/06/18
18H0143-06	B-04 13-15	08/06/18
18H0143-06RE1	B-04 13-15	08/06/18
18H0143-07	B-05 0-2	08/06/18
18H0143-07RE1	B-05 0-2	08/06/18
18H0143-08	B-06 13-15	08/06/18
18H0143-09	B-07 0-2	08/06/18
18H0143-10	B-07 13-15	08/06/18
18H0143-11	B-08 0-2	08/06/18
18H0143-12	B-09 0-2	08/06/18
18H0143-13	B-09 13-15	08/06/18
BH80258-BLK1	Blank	08/06/18
BH80258-BS1	LCS	08/06/18

Batch ID: BH80260 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-01	B-01 0-2	08/06/18
18H0143-01	B-01 0-2	08/06/18
18H0143-02	B-01 13-15	08/06/18
18H0143-02	B-01 13-15	08/06/18
18H0143-03	B-02 0-2	08/06/18
18H0143-03	B-02 0-2	08/06/18
18H0143-04	B-03 0-2	08/06/18
18H0143-04	B-03 0-2	08/06/18
18H0143-05	B-04 0-2	08/06/18
18H0143-05	B-04 0-2	08/06/18
18H0143-06	B-04 13-15	08/06/18
18H0143-06	B-04 13-15	08/06/18
18H0143-07	B-05 0-2	08/06/18
18H0143-07	B-05 0-2	08/06/18
18H0143-08	B-06 13-15	08/06/18
18H0143-08	B-06 13-15	08/06/18
18H0143-09	B-07 0-2	08/06/18
18H0143-09	B-07 0-2	08/06/18
18H0143-10	B-07 13-15	08/06/18
18H0143-10	B-07 13-15	08/06/18
18H0143-11	B-08 0-2	08/06/18
18H0143-11	B-08 0-2	08/06/18
18H0143-12	B-09 0-2	08/06/18
18H0143-12	B-09 0-2	08/06/18
18H0143-13	B-09 13-15	08/06/18
18H0143-13	B-09 13-15	08/06/18
BH80260-BLK1	Blank	08/06/18
BH80260-BLK2	Blank	08/06/18
BH80260-BS1	LCS	08/06/18
BH80260-BS2	LCS	08/06/18

Batch ID: BH80269 **Preparation Method:** EPA 5035A **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-01	B-01 0-2	08/07/18
18H0143-02	B-01 13-15	08/07/18
18H0143-03	B-02 0-2	08/07/18
18H0143-04	B-03 0-2	08/07/18
18H0143-05	B-04 0-2	08/07/18
18H0143-06	B-04 13-15	08/07/18
18H0143-07	B-05 0-2	08/07/18
18H0143-08	B-06 13-15	08/07/18
18H0143-09	B-07 0-2	08/07/18
18H0143-10	B-07 13-15	08/07/18
18H0143-11	B-08 0-2	08/07/18
18H0143-12	B-09 0-2	08/07/18
BH80269-BLK1	Blank	08/07/18
BH80269-BS1	LCS	08/07/18
BH80269-BSD1	LCS Dup	08/07/18

Batch ID: BH80436 **Preparation Method:** EPA 5035A **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-13	B-09 13-15	08/08/18
BH80436-BLK1	Blank	08/08/18
BH80436-BS1	LCS	08/08/18
BH80436-BSD1	LCS Dup	08/08/18

Batch ID: BH80445 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-01	B-01 0-2	08/09/18
18H0143-02	B-01 13-15	08/09/18
18H0143-03	B-02 0-2	08/09/18
18H0143-04	B-03 0-2	08/09/18
18H0143-05	B-04 0-2	08/09/18
18H0143-06	B-04 13-15	08/09/18
18H0143-07	B-05 0-2	08/09/18
18H0143-08	B-06 13-15	08/09/18

Batch ID: BH80446 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18H0143-09	B-07 0-2	08/09/18
18H0143-10	B-07 13-15	08/09/18
18H0143-11	B-08 0-2	08/09/18
18H0143-12	B-09 0-2	08/09/18
18H0143-13	B-09 13-15	08/09/18
BH80446-DUP1	Duplicate	08/09/18

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 BH80269 - EPA 5035A											
Blank (BH80269-BLK1)											
Prepared & Analyzed: 08/07/2018											
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	ND	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 BH80269 - EPA 5035A											
Blank (BH80269-BLK1)								Prepared & Analyzed: 08/07/2018			
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	*50.2*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: Toluene-d8	*48.1*		*"*	*50.0*		*96.3*	*85-120*				
Surrogate: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.2*	*76-130*				
LCS (BH80269-BS1)								Prepared & Analyzed: 08/07/2018			
1,1,1,2-Tetrachloroethane	65		ug/L	50.0		131	75-129	High Bias			
1,1,1-Trichloroethane	52		"	50.0		103	71-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		94.7	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		103	58-146				
1,1,2-Trichloroethane	45		"	50.0		89.3	83-123				
1,1-Dichloroethane	50		"	50.0		101	75-130				
1,1-Dichloroethylene	44		"	50.0		87.5	64-137				
1,2,3-Trichlorobenzene	58		"	50.0		116	81-140				
1,2,3-Trichloropropane	44		"	50.0		88.7	81-126				
1,2,4-Trichlorobenzene	89		"	50.0		178	80-141	High Bias			
1,2,4-Trimethylbenzene	45		"	50.0		89.6	84-125				
1,2-Dibromo-3-chloropropane	41		"	50.0		82.6	74-142				
1,2-Dibromoethane	52		"	50.0		104	86-123				
1,2-Dichlorobenzene	47		"	50.0		94.6	85-122				
1,2-Dichloroethane	53		"	50.0		106	71-133				
1,2-Dichloropropane	46		"	50.0		91.5	81-122				
1,3,5-Trimethylbenzene	47		"	50.0		93.8	82-126				
1,3-Dichlorobenzene	48		"	50.0		95.2	84-124				
1,4-Dichlorobenzene	48		"	50.0		96.7	84-124				
1,4-Dioxane	200		"	1050		19.5	10-228				
2-Butanone	48		"	50.0		96.5	58-147				
2-Hexanone	44		"	50.0		88.7	70-139				
4-Methyl-2-pentanone	47		"	50.0		94.8	72-132				
Acetone	36		"	50.0		72.6	36-155				
Acrolein	30		"	50.0		60.3	10-238				
Acrylonitrile	48		"	50.0		96.9	66-141				
Benzene	51		"	50.0		103	77-127				
Bromochloromethane	49		"	50.0		98.0	74-129				
Bromodichloromethane	47		"	50.0		94.3	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 BH80269 - EPA 5035A											
LCS (BH80269-BS1)								Prepared & Analyzed: 08/07/2018			
Bromoform	51		ug/L	50.0		103	80-136				
Bromomethane	51		"	50.0		101	32-177				
Carbon disulfide	45		"	50.0		89.8	10-136				
Carbon tetrachloride	53		"	50.0		106	66-143				
Chlorobenzene	49		"	50.0		97.5	86-120				
Chloroethane	49		"	50.0		98.4	51-142				
Chloroform	51		"	50.0		102	76-131				
Chloromethane	44		"	50.0		87.5	49-132				
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132				
cis-1,3-Dichloropropylene	47		"	50.0		94.7	81-129				
Cyclohexane	50		"	50.0		101	70-130				
Dibromochloromethane	49		"	50.0		98.1	10-200				
Dibromomethane	46		"	50.0		92.9	83-124				
Dichlorodifluoromethane	32		"	50.0		63.2	28-158				
Ethyl Benzene	48		"	50.0		96.4	84-125				
Hexachlorobutadiene	56		"	50.0		113	83-133				
Isopropylbenzene	47		"	50.0		93.2	81-127				
Methyl acetate	39		"	50.0		78.0	41-143				
Methyl tert-butyl ether (MTBE)	52		"	50.0		104	74-131				
Methylcyclohexane	47		"	50.0		94.2	70-130				
Methylene chloride	48		"	50.0		95.8	57-141				
n-Butylbenzene	48		"	50.0		96.2	80-130				
n-Propylbenzene	46		"	50.0		91.1	74-136				
o-Xylene	49		"	50.0		97.1	83-123				
p- & m- Xylenes	93		"	100		93.4	82-128				
p-Isopropyltoluene	48		"	50.0		96.8	85-125				
sec-Butylbenzene	50		"	50.0		99.2	83-125				
Styrene	49		"	50.0		98.5	86-126				
tert-Butyl alcohol (TBA)	180		"	250		72.5	70-130				
tert-Butylbenzene	48		"	50.0		95.8	80-127				
Tetrachloroethylene	45		"	50.0		90.0	80-129				
Toluene	47		"	50.0		93.9	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		96.7	72-132				
trans-1,3-Dichloropropylene	47		"	50.0		93.8	78-132				
Trichloroethylene	50		"	50.0		99.3	84-123				
Trichlorofluoromethane	47		"	50.0		94.6	62-140				
Vinyl Chloride	47		"	50.0		93.7	52-130				
Surrogate: 1,2-Dichloroethane-d4	*50.1*		*"*	*50.0*		*100*	*77-125*				
Surrogate: Toluene-d8	*47.7*		*"*	*50.0*		*95.4*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.1*		*"*	*50.0*		*96.2*	*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 BH80269 - EPA 5035A											
LCS Dup (BH80269-BSD1)								Prepared & Analyzed: 08/07/2018			
1,1,1,2-Tetrachloroethane	66		ug/L	50.0		133	75-129	High Bias	1.78	30	
1,1,1-Trichloroethane	54		"	50.0		108	71-137		4.66	30	
1,1,2,2-Tetrachloroethane	52		"	50.0		104	79-129		9.04	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		107	58-146		4.35	30	
1,1,2-Trichloroethane	49		"	50.0		98.2	83-123		9.52	30	
1,1-Dichloroethane	51		"	50.0		103	75-130		2.22	30	
1,1-Dichloroethylene	46		"	50.0		92.1	64-137		5.14	30	
1,2,3-Trichlorobenzene	60		"	50.0		119	81-140		2.79	30	
1,2,3-Trichloropropane	51		"	50.0		101	81-126		13.1	30	
1,2,4-Trichlorobenzene	92		"	50.0		183	80-141	High Bias	3.22	30	
1,2,4-Trimethylbenzene	48		"	50.0		96.5	84-125		7.37	30	
1,2-Dibromo-3-chloropropane	44		"	50.0		87.5	74-142		5.74	30	
1,2-Dibromoethane	53		"	50.0		107	86-123		3.12	30	
1,2-Dichlorobenzene	50		"	50.0		99.2	85-122		4.75	30	
1,2-Dichloroethane	53		"	50.0		105	71-133		0.663	30	
1,2-Dichloropropane	47		"	50.0		93.9	81-122		2.59	30	
1,3,5-Trimethylbenzene	50		"	50.0		99.3	82-126		5.78	30	
1,3-Dichlorobenzene	50		"	50.0		101	84-124		5.89	30	
1,4-Dichlorobenzene	51		"	50.0		101	84-124		4.47	30	
1,4-Dioxane	240		"	1050		22.5	10-228		14.1	30	
2-Butanone	49		"	50.0		98.5	58-147		2.07	30	
2-Hexanone	50		"	50.0		99.7	70-139		11.6	30	
4-Methyl-2-pentanone	48		"	50.0		95.7	72-132		0.924	30	
Acetone	43		"	50.0		86.7	36-155		17.8	30	
Acrolein	29		"	50.0		57.2	10-238		5.24	30	
Acrylonitrile	51		"	50.0		103	66-141		6.02	30	
Benzene	54		"	50.0		107	77-127		4.36	30	
Bromochloromethane	52		"	50.0		103	74-129		5.34	30	
Bromodichloromethane	49		"	50.0		97.5	81-124		3.34	30	
Bromoform	53		"	50.0		106	80-136		3.27	30	
Bromomethane	56		"	50.0		112	32-177		9.95	30	
Carbon disulfide	47		"	50.0		93.1	10-136		3.70	30	
Carbon tetrachloride	55		"	50.0		111	66-143		4.69	30	
Chlorobenzene	50		"	50.0		100	86-120		2.65	30	
Chloroethane	52		"	50.0		103	51-142		4.76	30	
Chloroform	53		"	50.0		106	76-131		3.78	30	
Chloromethane	46		"	50.0		91.5	49-132		4.45	30	
cis-1,2-Dichloroethylene	52		"	50.0		104	74-132		3.48	30	
cis-1,3-Dichloropropylene	50		"	50.0		99.3	81-129		4.70	30	
Cyclohexane	53		"	50.0		106	70-130		4.88	30	
Dibromochloromethane	49		"	50.0		98.1	10-200		0.0408	30	
Dibromomethane	48		"	50.0		95.4	83-124		2.63	30	
Dichlorodifluoromethane	32		"	50.0		64.7	28-158		2.44	30	
Ethyl Benzene	50		"	50.0		99.9	84-125		3.51	30	
Hexachlorobutadiene	58		"	50.0		117	83-133		3.42	30	
Isopropylbenzene	50		"	50.0		99.5	81-127		6.54	30	
Methyl acetate	40		"	50.0		79.5	41-143		1.88	30	
Methyl tert-butyl ether (MTBE)	53		"	50.0		106	74-131		1.97	30	
Methylcyclohexane	49		"	50.0		97.6	70-130		3.54	30	
Methylene chloride	49		"	50.0		98.4	57-141		2.62	30	
n-Butylbenzene	51		"	50.0		103	80-130		6.65	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 BH80269 - EPA 5035A											
LCS Dup (BH80269-BSD1)								Prepared & Analyzed: 08/07/2018			
n-Propylbenzene	50		ug/L	50.0		99.9	74-136		9.28	30	
o-Xylene	49		"	50.0		98.9	83-123		1.84	30	
p- & m- Xylenes	98		"	100		97.7	82-128		4.49	30	
p-Isopropyltoluene	52		"	50.0		103	85-125		6.42	30	
sec-Butylbenzene	54		"	50.0		108	83-125		8.59	30	
Styrene	50		"	50.0		101	86-126		2.27	30	
tert-Butyl alcohol (TBA)	190		"	250		76.8	70-130		5.72	30	
tert-Butylbenzene	51		"	50.0		102	80-127		6.27	30	
Tetrachloroethylene	48		"	50.0		95.6	80-129		6.03	30	
Toluene	49		"	50.0		98.5	85-121		4.78	30	
trans-1,2-Dichloroethylene	50		"	50.0		100	72-132		3.79	30	
trans-1,3-Dichloropropylene	48		"	50.0		96.3	78-132		2.59	30	
Trichloroethylene	52		"	50.0		104	84-123		4.37	30	
Trichlorofluoromethane	51		"	50.0		101	62-140		6.84	30	
Vinyl Chloride	49		"	50.0		97.4	52-130		3.83	30	
Surrogate: 1,2-Dichloroethane-d4	*50.1*		*"*	*50.0*		*100*	*77-125*				
Surrogate: Toluene-d8	*47.2*		*"*	*50.0*		*94.4*	*85-120*				
Surrogate: p-Bromofluorobenzene	*49.5*		*"*	*50.0*		*99.0*	*76-130*				
Batch BH80436 - EPA 5035A											
Blank (BH80436-BLK1)								Prepared & Analyzed: 08/08/2018			
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	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 BH80436 - EPA 5035A											
Blank (BH80436-BLK1)											
Prepared & Analyzed: 08/08/2018											
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	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	*50.5*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
Surrogate: p-Bromofluorobenzene	*53.7*		*"*	*50.0*		*107*	*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 BH80436 - EPA 5035A											
LCS (BH80436-BS1)								Prepared & Analyzed: 08/08/2018			
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		103	75-129				
1,1,1-Trichloroethane	45		"	50.0		90.4	71-137				
1,1,2,2-Tetrachloroethane	51		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39		"	50.0		77.8	58-146				
1,1,2-Trichloroethane	50		"	50.0		99.7	83-123				
1,1-Dichloroethane	46		"	50.0		92.6	75-130				
1,1-Dichloroethylene	40		"	50.0		79.8	64-137				
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140				
1,2,3-Trichloropropane	48		"	50.0		96.9	81-126				
1,2,4-Trichlorobenzene	57		"	50.0		114	80-141				
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125				
1,2-Dibromo-3-chloropropane	49		"	50.0		97.1	74-142				
1,2-Dibromoethane	51		"	50.0		102	86-123				
1,2-Dichlorobenzene	52		"	50.0		104	85-122				
1,2-Dichloroethane	48		"	50.0		96.6	71-133				
1,2-Dichloropropane	48		"	50.0		96.3	81-122				
1,3,5-Trimethylbenzene	50		"	50.0		99.5	82-126				
1,3-Dichlorobenzene	52		"	50.0		104	84-124				
1,4-Dichlorobenzene	53		"	50.0		106	84-124				
1,4-Dioxane	360		"	1050		34.3	10-228				
2-Butanone	50		"	50.0		101	58-147				
2-Hexanone	48		"	50.0		96.5	70-139				
4-Methyl-2-pentanone	34		"	50.0		68.9	72-132	Low Bias			
Acetone	42		"	50.0		83.7	36-155				
Acrolein	29		"	50.0		58.3	10-238				
Acrylonitrile	47		"	50.0		93.6	66-141				
Benzene	49		"	50.0		98.8	77-127				
Bromochloromethane	47		"	50.0		94.6	74-129				
Bromodichloromethane	50		"	50.0		101	81-124				
Bromoform	50		"	50.0		99.9	80-136				
Bromomethane	40		"	50.0		79.5	32-177				
Carbon disulfide	43		"	50.0		85.4	10-136				
Carbon tetrachloride	47		"	50.0		93.6	66-143				
Chlorobenzene	51		"	50.0		102	86-120				
Chloroethane	44		"	50.0		87.8	51-142				
Chloroform	48		"	50.0		95.1	76-131				
Chloromethane	36		"	50.0		72.5	49-132				
cis-1,2-Dichloroethylene	49		"	50.0		98.3	74-132				
cis-1,3-Dichloropropylene	53		"	50.0		106	81-129				
Cyclohexane	36		"	50.0		72.8	70-130				
Dibromochloromethane	52		"	50.0		103	10-200				
Dibromomethane	49		"	50.0		98.2	83-124				
Dichlorodifluoromethane	24		"	50.0		48.5	28-158				
Ethyl Benzene	51		"	50.0		102	84-125				
Hexachlorobutadiene	50		"	50.0		100	83-133				
Isopropylbenzene	48		"	50.0		96.6	81-127				
Methyl acetate	42		"	50.0		84.2	41-143				
Methyl tert-butyl ether (MTBE)	47		"	50.0		94.8	74-131				
Methylcyclohexane	46		"	50.0		91.3	70-130				
Methylene chloride	47		"	50.0		94.2	57-141				
n-Butylbenzene	52		"	50.0		105	80-130				

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 BH80436 - EPA 5035A											
LCS (BH80436-BS1)								Prepared & Analyzed: 08/08/2018			
n-Propylbenzene	50		ug/L	50.0		99.7	74-136				
o-Xylene	51		"	50.0		103	83-123				
p- & m- Xylenes	100		"	100		101	82-128				
p-Isopropyltoluene	51		"	50.0		102	85-125				
sec-Butylbenzene	52		"	50.0		104	83-125				
Styrene	53		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	220		"	250		86.4	70-130				
tert-Butylbenzene	43		"	50.0		85.9	80-127				
Tetrachloroethylene	38		"	50.0		75.7	80-129	Low Bias			
Toluene	51		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	44		"	50.0		88.6	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		106	78-132				
Trichloroethylene	48		"	50.0		96.5	84-123				
Trichlorofluoromethane	41		"	50.0		81.0	62-140				
Vinyl Chloride	39		"	50.0		77.9	52-130				
Surrogate: 1,2-Dichloroethane-d4	*48.2*		*"*	*50.0*		*96.4*	*77-125*				
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
Surrogate: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				
LCS Dup (BH80436-BSD1)								Prepared & Analyzed: 08/08/2018			
1,1,1,2-Tetrachloroethane	49		ug/L	50.0		97.3	75-129		5.94	30	
1,1,1-Trichloroethane	46		"	50.0		92.4	71-137		2.23	30	
1,1,2,2-Tetrachloroethane	51		"	50.0		101	79-129		0.315	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41		"	50.0		81.3	58-146		4.42	30	
1,1,2-Trichloroethane	47		"	50.0		94.5	83-123		5.40	30	
1,1-Dichloroethane	45		"	50.0		89.5	75-130		3.45	30	
1,1-Dichloroethylene	41		"	50.0		82.0	64-137		2.67	30	
1,2,3-Trichlorobenzene	56		"	50.0		112	81-140		5.09	30	
1,2,3-Trichloropropane	49		"	50.0		97.7	81-126		0.781	30	
1,2,4-Trichlorobenzene	53		"	50.0		107	80-141		6.17	30	
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125		0.118	30	
1,2-Dibromo-3-chloropropane	48		"	50.0		96.9	74-142		0.186	30	
1,2-Dibromoethane	49		"	50.0		98.7	86-123		3.51	30	
1,2-Dichlorobenzene	51		"	50.0		102	85-122		2.11	30	
1,2-Dichloroethane	47		"	50.0		94.2	71-133		2.49	30	
1,2-Dichloropropane	48		"	50.0		95.0	81-122		1.34	30	
1,3,5-Trimethylbenzene	49		"	50.0		98.6	82-126		0.908	30	
1,3-Dichlorobenzene	50		"	50.0		101	84-124		2.46	30	
1,4-Dichlorobenzene	51		"	50.0		102	84-124		3.02	30	
1,4-Dioxane	350		"	1050		32.9	10-228		4.24	30	
2-Butanone	57		"	50.0		113	58-147		11.4	30	
2-Hexanone	49		"	50.0		98.9	70-139		2.39	30	
4-Methyl-2-pentanone	35		"	50.0		69.6	72-132	Low Bias	1.13	30	
Acetone	45		"	50.0		90.1	36-155		7.39	30	
Acrolein	28		"	50.0		55.5	10-238		4.96	30	
Acrylonitrile	47		"	50.0		94.0	66-141		0.490	30	
Benzene	48		"	50.0		95.7	77-127		3.11	30	
Bromochloromethane	47		"	50.0		93.4	74-129		1.23	30	
Bromodichloromethane	47		"	50.0		93.6	81-124		7.13	30	
Bromoform	50		"	50.0		101	80-136		0.738	30	
Bromomethane	39		"	50.0		77.2	32-177		2.89	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 BH80436 - EPA 5035A											
LCS Dup (BH80436-BSD1)								Prepared & Analyzed: 08/08/2018			
Carbon disulfide	42		ug/L	50.0		84.9	10-136		0.611	30	
Carbon tetrachloride	45		"	50.0		89.9	66-143		4.05	30	
Chlorobenzene	48		"	50.0		96.9	86-120		4.91	30	
Chloroethane	44		"	50.0		87.1	51-142		0.801	30	
Chloroform	46		"	50.0		92.9	76-131		2.30	30	
Chloromethane	35		"	50.0		70.9	49-132		2.26	30	
cis-1,2-Dichloroethylene	46		"	50.0		92.6	74-132		5.91	30	
cis-1,3-Dichloropropylene	50		"	50.0		99.6	81-129		5.87	30	
Cyclohexane	36		"	50.0		72.6	70-130		0.330	30	
Dibromochloromethane	49		"	50.0		97.1	10-200		6.25	30	
Dibromomethane	46		"	50.0		92.2	83-124		6.39	30	
Dichlorodifluoromethane	24		"	50.0		47.2	28-158		2.59	30	
Ethyl Benzene	49		"	50.0		97.5	84-125		4.34	30	
Hexachlorobutadiene	53		"	50.0		107	83-133		6.07	30	
Isopropylbenzene	49		"	50.0		97.5	81-127		0.969	30	
Methyl acetate	44		"	50.0		88.8	41-143		5.32	30	
Methyl tert-butyl ether (MTBE)	45		"	50.0		90.7	74-131		4.42	30	
Methylcyclohexane	46		"	50.0		91.3	70-130		0.0438	30	
Methylene chloride	44		"	50.0		87.5	57-141		7.40	30	
n-Butylbenzene	53		"	50.0		106	80-130		1.50	30	
n-Propylbenzene	50		"	50.0		100	74-136		0.660	30	
o-Xylene	49		"	50.0		97.1	83-123		5.60	30	
p- & m- Xylenes	99		"	100		99.3	82-128		1.96	30	
p-Isopropyltoluene	51		"	50.0		103	85-125		1.04	30	
sec-Butylbenzene	53		"	50.0		107	83-125		2.45	30	
Styrene	50		"	50.0		99.0	86-126		7.52	30	
tert-Butyl alcohol (TBA)	230		"	250		90.9	70-130		5.18	30	
tert-Butylbenzene	41		"	50.0		81.2	80-127		5.65	30	
Tetrachloroethylene	36		"	50.0		71.8	80-129	Low Bias	5.31	30	
Toluene	48		"	50.0		96.4	85-121		5.00	30	
trans-1,2-Dichloroethylene	43		"	50.0		86.5	72-132		2.44	30	
trans-1,3-Dichloropropylene	51		"	50.0		102	78-132		3.50	30	
Trichloroethylene	46		"	50.0		92.3	84-123		4.47	30	
Trichlorofluoromethane	39		"	50.0		78.1	62-140		3.67	30	
Vinyl Chloride	39		"	50.0		77.2	52-130		0.877	30	
Surrogate: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.5*	*77-125*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				
Surrogate: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*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 BH80258 - EPA 3550C											
Blank (BH80258-BLK1)											
Prepared: 08/06/2018 Analyzed: 08/07/2018											
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	ND	41.7	"								

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 BH80258 - EPA 3550C											
Blank (BH80258-BLK1)											
Prepared: 08/06/2018 Analyzed: 08/07/2018											
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	*1770*		*"*	*1670*		*106*	*20-108*				
Surrogate: Phenol-d5	*1400*		*"*	*1670*		*84.2*	*23-114*				
Surrogate: Nitrobenzene-d5	*799*		*"*	*833*		*95.9*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*714*		*"*	*833*		*85.7*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1060*		*"*	*1670*		*63.4*	*19-110*				
Surrogate: Terphenyl-d14	*880*		*"*	*833*		*106*	*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 BH80258 - EPA 3550C											
LCS (BH80258-BS1)									Prepared: 08/06/2018 Analyzed: 08/07/2018		
1,1-Biphenyl	565	41.7	ug/kg wet	833		67.8	22-103				
1,2,4,5-Tetrachlorobenzene	578	83.3	"	833		69.3	10-144				
1,2,4-Trichlorobenzene	582	41.7	"	833		69.8	23-130				
1,2-Dichlorobenzene	546	41.7	"	833		65.5	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	365	41.7	"	833		43.8	10-140				
1,3-Dichlorobenzene	561	41.7	"	833		67.4	32-113				
1,4-Dichlorobenzene	554	41.7	"	833		66.4	28-111				
2,3,4,6-Tetrachlorophenol	665	83.3	"	833		79.8	30-130				
2,4,5-Trichlorophenol	652	41.7	"	833		78.3	14-138				
2,4,6-Trichlorophenol	641	41.7	"	833		77.0	27-122				
2,4-Dichlorophenol	597	41.7	"	833		71.6	23-133				
2,4-Dimethylphenol	689	41.7	"	833		82.7	15-131				
2,4-Dinitrophenol	850	83.3	"	833		102	10-149				
2,4-Dinitrotoluene	704	41.7	"	833		84.5	30-123				
2,6-Dinitrotoluene	684	41.7	"	833		82.1	30-125				
2-Chloronaphthalene	597	41.7	"	833		71.7	22-115				
2-Chlorophenol	634	41.7	"	833		76.0	25-121				
2-Methylnaphthalene	587	41.7	"	833		70.4	16-127				
2-Methylphenol	576	41.7	"	833		69.1	10-146				
2-Nitroaniline	666	83.3	"	833		79.9	24-126				
2-Nitrophenol	735	41.7	"	833		88.2	17-129				
3- & 4-Methylphenols	495	41.7	"	833		59.4	20-109				
3,3-Dichlorobenzidine	448	41.7	"	833		53.8	10-147				
3-Nitroaniline	554	83.3	"	833		66.4	23-123				
4,6-Dinitro-2-methylphenol	530	83.3	"	833		63.6	10-149				
4-Bromophenyl phenyl ether	388	41.7	"	833		46.6	30-138				
4-Chloro-3-methylphenol	653	41.7	"	833		78.3	16-138				
4-Chloroaniline	439	41.7	"	833		52.7	10-117				
4-Chlorophenyl phenyl ether	594	41.7	"	833		71.3	18-132				
4-Nitroaniline	567	83.3	"	833		68.1	14-125				
4-Nitrophenol	654	83.3	"	833		78.5	10-136				
Acenaphthene	591	41.7	"	833		70.9	17-124				
Acenaphthylene	583	41.7	"	833		69.9	16-124				
Acetophenone	469	41.7	"	833		56.3	28-105				
Aniline	398	167	"	833		47.8	10-111				
Anthracene	675	41.7	"	833		81.0	24-124				
Atrazine	471	41.7	"	833		56.6	22-120				
Benzaldehyde	618	41.7	"	833		74.2	21-100				
Benzo(a)anthracene	631	41.7	"	833		75.8	25-134				
Benzo(a)pyrene	660	41.7	"	833		79.2	29-144				
Benzo(b)fluoranthene	684	41.7	"	833		82.0	20-151				
Benzo(g,h,i)perylene	716	41.7	"	833		85.9	10-153				
Benzo(k)fluoranthene	661	41.7	"	833		79.3	10-148				
Benzoic acid	528	41.7	"	842		62.7	10-116				
Benzyl alcohol	672	41.7	"	833		80.6	17-128				
Benzyl butyl phthalate	669	41.7	"	833		80.2	10-132				
Bis(2-chloroethoxy)methane	551	41.7	"	833		66.1	10-129				
Bis(2-chloroethyl)ether	554	41.7	"	833		66.4	14-125				
Bis(2-chloroisopropyl)ether	633	41.7	"	833		76.0	14-122				
Bis(2-ethylhexyl)phthalate	682	41.7	"	833		81.9	10-141				
Caprolactam	569	83.3	"	833		68.2	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 BH80258 - EPA 3550C											
LCS (BH80258-BS1)											
Prepared: 08/06/2018 Analyzed: 08/07/2018											
Carbazole	667	41.7	ug/kg wet	833		80.0	31-120				
Chrysene	615	41.7	"	833		73.8	24-116				
Dibenzo(a,h)anthracene	723	41.7	"	833		86.8	17-147				
Dibenzofuran	574	41.7	"	833		68.8	23-123				
Diethyl phthalate	584	41.7	"	833		70.1	23-122				
Dimethyl phthalate	624	41.7	"	833		74.9	28-127				
Di-n-butyl phthalate	555	41.7	"	833		66.6	19-123				
Di-n-octyl phthalate	646	41.7	"	833		77.5	10-132				
Fluoranthene	542	41.7	"	833		65.1	36-125				
Fluorene	577	41.7	"	833		69.3	16-130				
Hexachlorobenzene	498	41.7	"	833		59.7	10-129				
Hexachlorobutadiene	586	41.7	"	833		70.3	22-153				
Hexachlorocyclopentadiene	296	41.7	"	833		35.5	10-134				
Hexachloroethane	547	41.7	"	833		65.6	20-112				
Indeno(1,2,3-cd)pyrene	718	41.7	"	833		86.2	10-155				
Isophorone	605	41.7	"	833		72.6	14-131				
Naphthalene	612	41.7	"	833		73.4	20-121				
Nitrobenzene	625	41.7	"	833		75.0	20-121				
N-Nitrosodimethylamine	869	41.7	"	833		104	10-124				
N-nitroso-di-n-propylamine	531	41.7	"	833		63.8	21-119				
N-Nitrosodiphenylamine	451	41.7	"	833		54.2	10-163				
Pentachlorophenol	434	41.7	"	833		52.1	10-143				
Phenanthrene	652	41.7	"	833		78.3	24-123				
Phenol	575	41.7	"	833		69.0	15-123				
Pyrene	614	41.7	"	833		73.6	24-132				
Surrogate: 2-Fluorophenol	*1640*		"	*1670*		*98.5*	*20-108*				
Surrogate: Phenol-d5	*1280*		"	*1670*		*76.7*	*23-114*				
Surrogate: Nitrobenzene-d5	*702*		"	*833*		*84.2*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*665*		"	*833*		*79.8*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*933*		"	*1670*		*56.0*	*19-110*				
Surrogate: Terphenyl-d14	*767*		"	*833*		*92.0*	*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 BH80260 - EPA 3550C											
Blank (BH80260-BLK1)											Prepared: 08/06/2018 Analyzed: 08/07/2018
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	*55.5*		*"*	*66.7*		*83.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*63.9*		*"*	*66.7*		*95.9*	*30-150*				
LCS (BH80260-BS1)											Prepared: 08/06/2018 Analyzed: 08/07/2018
4,4'-DDD	41.0	0.330	ug/kg wet	33.3		123	40-140				
4,4'-DDE	36.5	0.330	"	33.3		109	40-140				
4,4'-DDT	41.8	0.330	"	33.3		126	40-140				
Aldrin	36.4	0.330	"	33.3		109	40-140				
alpha-BHC	40.6	0.330	"	33.3		122	40-140				
alpha-Chlordane	35.0	0.330	"	33.3		105	40-140				
beta-BHC	34.7	0.330	"	33.3		104	40-140				
delta-BHC	43.5	0.330	"	33.3		130	40-140				
Dieldrin	31.3	0.330	"	33.3		94.0	40-140				
Endosulfan I	35.0	0.330	"	33.3		105	40-140				
Endosulfan II	37.3	0.330	"	33.3		112	40-140				
Endosulfan sulfate	35.9	0.330	"	33.3		108	40-140				
Endrin	38.2	0.330	"	33.3		115	40-140				
Endrin aldehyde	37.4	0.330	"	33.3		112	40-140				
Endrin ketone	36.4	0.330	"	33.3		109	40-140				
gamma-BHC (Lindane)	38.9	0.330	"	33.3		117	40-140				
gamma-Chlordane	35.0	0.330	"	33.3		105	40-140				
Heptachlor	35.5	0.330	"	33.3		106	40-140				
Heptachlor epoxide	34.1	0.330	"	33.3		102	40-140				
Methoxychlor	37.5	1.65	"	33.3		113	40-140				
Surrogate: Decachlorobiphenyl	*55.6*		*"*	*66.7*		*83.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*62.0*		*"*	*66.7*		*93.1*	*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 Y8H0805 - BH80158											
Performance Mix (Y8H0805-PEM1)								Prepared & Analyzed: 08/07/2018			
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.771		"	0.00			0-200				
4,4'-DDT	316		"	200		158	0-200				
Endrin	180		"	100		180	0-200				
Endrin aldehyde	3.36		"	0.00			0-200				
Endrin ketone	5.97		"	0.00			0-200				
Performance Mix (Y8H0805-PEM2)								Prepared & Analyzed: 08/07/2018			
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.430		"	0.00			0-200				
4,4'-DDT	308		"	200		154	0-200				
Endrin	178		"	100		178	0-200				
Endrin aldehyde	3.05		"	0.00			0-200				
Endrin ketone	8.62		"	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 BH80260 - EPA 3550C											
Blank (BH80260-BLK2)											Prepared: 08/06/2018 Analyzed: 08/07/2018
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	*0.0637*		*"*	*0.0667*		*95.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0570*		*"*	*0.0667*		*85.5*	*30-140*				
LCS (BH80260-BS2)											Prepared: 08/06/2018 Analyzed: 08/07/2018
Aroclor 1016	0.345	0.0167	mg/kg wet	0.333		104	40-130				
Aroclor 1260	0.324	0.0167	"	0.333		97.2	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0637*		*"*	*0.0667*		*95.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0523*		*"*	*0.0667*		*78.5*	*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 BH80236 - EPA 3050B											
Blank (BH80236-BLK1)									Prepared: 08/06/2018 Analyzed: 08/07/2018		
Aluminum	11.0	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	0.500	"								
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	11.7	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								
Duplicate (BH80236-DUP1)	*Source sample: 18H0143-01 (B-01 0-2)								Prepared: 08/06/2018 Analyzed: 08/07/2018		
Aluminum	6340	5.59	mg/kg dry		6900				8.52	35	
Antimony	1.81	0.559	"		ND					35	
Arsenic	4.15	1.12	"		4.36				4.94	35	
Barium	65.5	1.12	"		66.6				1.55	35	
Beryllium	0.138	0.112	"		0.177				24.9	35	
Cadmium	0.613	0.335	"		0.516				17.3	35	
Calcium	75600	5.59	"		74000				2.21	35	
Chromium	21.3	0.559	"		17.0				22.7	35	
Cobalt	4.09	0.559	"		4.42				7.83	35	
Copper	22.4	0.559	"		20.6				8.22	35	
Iron	14700	2.24	"		10000				38.3	35	Non-dir.
Lead	184	0.559	"		154				17.7	35	
Magnesium	5530	5.59	"		8750				45.1	35	Non-dir.
Manganese	201	0.559	"		174				14.7	35	
Nickel	12.6	0.559	"		11.6				8.58	35	
Potassium	621	5.59	"		736				17.0	35	
Selenium	ND	1.12	"		ND					35	
Silver	ND	0.559	"		ND					35	
Sodium	521	11.2	"		588				12.1	35	
Thallium	ND	1.12	"		ND					35	
Vanadium	14.8	1.12	"		16.9				13.1	35	
Zinc	189	1.68	"		142				28.1	35	

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 BH80236 - EPA 3050B											
Matrix Spike (BH80236-MS1)	*Source sample: 18H0143-01 (B-01 0-2)							Prepared: 08/06/2018 Analyzed: 08/07/2018			
Aluminum	6210	5.59	mg/kg dry	224	6900	NR	75-125	Low Bias			
Antimony	16.0	0.559	"	28.0	ND	57.3	75-125	Low Bias			
Arsenic	238	1.12	"	224	4.36	105	75-125				
Barium	301	1.12	"	224	66.6	105	75-125				
Beryllium	5.97	0.112	"	5.59	0.177	104	75-125				
Cadmium	6.35	0.335	"	5.59	0.516	104	75-125				
Chromium	40.6	0.559	"	22.4	17.0	106	75-125				
Cobalt	64.2	0.559	"	55.9	4.42	107	75-125				
Copper	64.7	0.559	"	28.0	20.6	158	75-125	High Bias			
Iron	13000	2.24	"	112	10000	NR	75-125	High Bias			
Lead	203	0.559	"	55.9	154	87.8	75-125				
Magnesium	14300	5.59	"	112	8750	NR	75-125	High Bias			
Manganese	268	0.559	"	55.9	174	169	75-125	High Bias			
Nickel	72.6	0.559	"	55.9	11.6	109	75-125				
Potassium	739	5.59	"	55.9	736	4.82	75-125	Low Bias			
Selenium	212	1.12	"	224	ND	95.0	75-125				
Silver	3.75	0.559	"	5.59	ND	67.2	75-125	Low Bias			
Sodium	686	11.2	"	112	588	88.0	75-125				
Thallium	234	1.12	"	224	ND	104	75-125				
Vanadium	72.6	1.12	"	55.9	16.9	99.5	75-125				
Zinc	279	1.68	"	55.9	142	246	75-125	High Bias			
Reference (BH80236-SRM1)								Prepared: 08/06/2018 Analyzed: 08/07/2018			
Aluminum	6680	5.00	mg/kg wet	8040		83.0	39.4-160.5				
Antimony	85.2	0.500	"	91.4		93.2	25.1-275.7				
Arsenic	146	1.00	"	146		99.7	69.9-132.9				
Barium	90.6	1.00	"	102		88.8	71.5-136.3				
Beryllium	136	0.100	"	134		102	75.4-138.1				
Cadmium	62.1	0.300	"	63.2		98.2	73.3-141.5				
Calcium	5820	5.00	"	5930		98.1	73.7-136.1				
Chromium	84.4	0.500	"	89.3		94.5	69.1-143.3				
Cobalt	123	0.500	"	119		103	74.6-142				
Copper	63.2	0.500	"	60.8		104	72.7-141.6				
Iron	11200	2.00	"	14400		77.5	35.6-163.9				
Lead	95.4	0.500	"	98.5		96.8	70.8-137.1				
Magnesium	2440	5.00	"	2580		94.4	63.6-136.1				
Manganese	373	0.500	"	370		101	75.7-134.3				
Nickel	74.3	0.500	"	66.6		112	70.7-146.3				
Potassium	2080	5.00	"	2340		89.0	59.8-140.2				
Selenium	111	1.00	"	136		81.7	67.1-136.8				
Silver	47.1	0.500	"	48.9		96.2	66.5-139.5				
Sodium	340	10.0	"	318		107	40.6-159.8				
Thallium	145	1.00	"	138		105	68-136.2				
Vanadium	61.9	1.00	"	69.7		88.8	58.9-141.8				
Zinc	173	1.50	"	177		97.9	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 BH80235 - EPA 7473 soil											
Blank (BH80235-BLK1)									Prepared & Analyzed: 08/06/2018		
Mercury	ND	0.0300	mg/kg wet								
Reference (BH80235-SRM1)									Prepared & Analyzed: 08/06/2018		
Mercury	11.085		mg/kg	13.8		80.3	57.1-143.5				

Miscellaneous Physical Parameters - 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 BH80446 - % Solids Prep											
Duplicate (BH80446-DUP1)	*Source sample: 18H0143-09 (B-07 0-2)							Prepared & Analyzed: 08/09/2018			
% Solids	86.0	0.100	%		84.4				1.87	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H0143-01	B-01 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-02	B-01 13-15	40mL Vial with Stir Bar-Cool 4° C
18H0143-03	B-02 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-04	B-03 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-05	B-04 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-06	B-04 13-15	40mL Vial with Stir Bar-Cool 4° C
18H0143-07	B-05 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-08	B-06 13-15	40mL Vial with Stir Bar-Cool 4° C
18H0143-09	B-07 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-10	B-07 13-15	40mL Vial with Stir Bar-Cool 4° C
18H0143-11	B-08 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-12	B-09 0-2	40mL Vial with Stir Bar-Cool 4° C
18H0143-13	B-09 13-15	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
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.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-Spk	The spike recovery is not applicable due to the concentration of this element being >10 X the spike concentration.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.
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(203) 325-1371
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Field Chain-of-Custody Record

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

York Project No. 18H0143

YOUR Information
Company: WCD Polk
Address:
Phone No.
Contact Person:
E-Mail Address:

Report To:
Company: Richard
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Brenda
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
KM17075.

Purchase Order No.
KM17075.20

Samples from: CT___ NY___ 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
- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- York Regulatory Comparison
- Excel Spreadsheet

Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

B A Hooker
Samples Collected/Authorized By (Signature)

R. Hooker
Name (printed)

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

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

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-01 0-2	7/24/18	S	VOCs SVOCs Pest/PCB TAL metals	4oz + vocs
B-01 13-15	↓	↓	↓	↓
B-02 0-2				
B-03 0-2				
B-04 0-2				
B-04 13-15				
B-05 0-2	↓			
B-06 13-15	7/27/18			
B-02 0-2	↓			
B-07 13-15	↓	↓	↓	↓

Comments

Preservation Check those Applicable
4°C___ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___
ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Richard Hooker	8 3 18	Chris	8-3-18 8:40
Chris	8-3-18 1454		

Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
Chris	8-3-18 1454		8-3-18 1454

Temperature on Receipt 2.3 °C

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

Field Chain-of-Custody Record

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

York Project No. 18H0143

YOUR Information
Company: WCJ Pak
Address:
Phone No.
Contact Person:
E-Mail Address:

Report To:
Company: Richard
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Brenda
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
KM1707S

Purchase Order No.
KM1707S-2

Samples from: CT___ NY(O) 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
- Summary Report ☒
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

R. Hooker
Samples Collected/Authorized By (Signature)

R. Hooker
Name (printed)

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

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

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-08 0-2	7/27/18	S	VOC SVOC Pest/PCB TAL metals	4oz + 8x4oz
B-09 0-2	↓	↓	↓ ↓ ↓	↓
B-09 13-15'	↓	↓	↓	↓

Comments

Preservation Check those Applicable
4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____
ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

R. Hooker	8/3/18	Chris 8-3-18	8:46
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Chris 8-3-18	1454	Jake 8-3-18	1454
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 2.3 °C

ANALYTICAL REPORT

Lab Number:	L1830815
Client:	WCD Group, LLC 24 Davis Avenue Poughkeepsie, NY 12603
ATTN:	Richard Hooker
Phone:	(845) 452-1658
Project Name:	495 11TH AVE.
Project Number:	KM17075
Report Date:	08/16/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1830815-01	B9W (S)	WATER	NEW YORK, NY	08/08/18 11:35	08/08/18
L1830815-02	B8W (D)	WATER	NEW YORK, NY	08/08/18 12:35	08/08/18
L1830815-03	B6W (S)	WATER	NEW YORK, NY	08/08/18 13:45	08/08/18
L1830815-04	B2W (D)	WATER	NEW YORK, NY	08/08/18 14:40	08/08/18

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 495 11TH AVE. **Lab Number:** L1830815
Project Number: KM17075 **Report Date:** 08/16/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Pesticides

L1830815-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

Dissolved Metals

L1830815-01: The sample has an elevated detection limit for mercury due to the dilution required by the limited sample volume available for analysis.

The WG1146240-3 MS recoveries for calcium (140%) and sodium (370%), performed on L1830815-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 08/16/18

ORGANICS

VOLATILES

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35
Client ID: B9W (S) Date Received: 08/08/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/11/18 00:46
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	4.0		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35

Client ID: B9W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35

Client ID: B9W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	108		70-130

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02 Date Collected: 08/08/18 12:35
Client ID: B8W (D) Date Received: 08/08/18
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/11/18 01:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.98	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02 Date Collected: 08/08/18 12:35

Client ID: B8W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02 Date Collected: 08/08/18 12:35

Client ID: B8W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	107		70-130

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03 Date Collected: 08/08/18 13:45

Client ID: B6W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/11/18 01:36

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	1.1	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	12		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03 Date Collected: 08/08/18 13:45

Client ID: B6W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03 Date Collected: 08/08/18 13:45

Client ID: B6W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	107		70-130

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 Date Collected: 08/08/18 14:40

Client ID: B2W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/11/18 02:01

Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	2.5		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 Date Collected: 08/08/18 14:40

Client ID: B2W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.2	J	ug/l	2.5	0.70	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 Date Collected: 08/08/18 14:40

Client ID: B2W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	107		70-130

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1145517-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1145517-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1145517-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1145517-3 WG1145517-4								
Methylene chloride	98		99		70-130	1		20
1,1-Dichloroethane	87		88		70-130	1		20
Chloroform	87		88		70-130	1		20
Carbon tetrachloride	78		78		63-132	0		20
1,2-Dichloropropane	88		89		70-130	1		20
Dibromochloromethane	82		83		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	79		81		70-130	3		20
Chlorobenzene	91		91		75-130	0		20
Trichlorofluoromethane	89		89		62-150	0		20
1,2-Dichloroethane	90		93		70-130	3		20
1,1,1-Trichloroethane	81		82		67-130	1		20
Bromodichloromethane	87		87		67-130	0		20
trans-1,3-Dichloropropene	89		89		70-130	0		20
cis-1,3-Dichloropropene	85		86		70-130	1		20
1,1-Dichloropropene	77		79		70-130	3		20
Bromoform	85		85		54-136	0		20
1,1,2,2-Tetrachloroethane	98		98		67-130	0		20
Benzene	84		85		70-130	1		20
Toluene	88		89		70-130	1		20
Ethylbenzene	87		88		70-130	1		20
Chloromethane	89		90		64-130	1		20
Bromomethane	63		65		39-139	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1145517-3 WG1145517-4								
Vinyl chloride	86		88		55-140	2		20
Chloroethane	82		83		55-138	1		20
1,1-Dichloroethene	79		80		61-145	1		20
trans-1,2-Dichloroethene	80		80		70-130	0		20
Trichloroethene	77		79		70-130	3		20
1,2-Dichlorobenzene	92		92		70-130	0		20
1,3-Dichlorobenzene	92		92		70-130	0		20
1,4-Dichlorobenzene	92		94		70-130	2		20
Methyl tert butyl ether	83		84		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	84		84		70-130	0		20
Dibromomethane	87		88		70-130	1		20
1,2,3-Trichloropropane	97		90		64-130	7		20
Acrylonitrile	98		100		70-130	2		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	83		83		36-147	0		20
Acetone	100		110		58-148	10		20
Carbon disulfide	88		87		51-130	1		20
2-Butanone	88		94		63-138	7		20
Vinyl acetate	92		93		70-130	1		20
4-Methyl-2-pentanone	86		85		59-130	1		20
2-Hexanone	80		82		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1145517-3 WG1145517-4								
Bromochloromethane	91		92		70-130	1		20
2,2-Dichloropropane	81		83		63-133	2		20
1,2-Dibromoethane	88		89		70-130	1		20
1,3-Dichloropropane	92		94		70-130	2		20
1,1,1,2-Tetrachloroethane	90		92		64-130	2		20
Bromobenzene	90		90		70-130	0		20
n-Butylbenzene	87		89		53-136	2		20
sec-Butylbenzene	82		84		70-130	2		20
tert-Butylbenzene	81		82		70-130	1		20
o-Chlorotoluene	90		88		70-130	2		20
p-Chlorotoluene	91		92		70-130	1		20
1,2-Dibromo-3-chloropropane	80		82		41-144	2		20
Hexachlorobutadiene	81		83		63-130	2		20
Isopropylbenzene	81		83		70-130	2		20
p-Isopropyltoluene	82		84		70-130	2		20
Naphthalene	74		76		70-130	3		20
n-Propylbenzene	86		88		69-130	2		20
1,2,3-Trichlorobenzene	79		81		70-130	3		20
1,2,4-Trichlorobenzene	80		83		70-130	4		20
1,3,5-Trimethylbenzene	87		88		64-130	1		20
1,2,4-Trimethylbenzene	88		90		70-130	2		20
1,4-Dioxane	80		80		56-162	0		20
p-Diethylbenzene	87		88		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1145517-3 WG1145517-4								
p-Ethyltoluene	90		92		70-130	2		20
1,2,4,5-Tetramethylbenzene	84		86		70-130	2		20
Ethyl ether	83		84		59-134	1		20
trans-1,4-Dichloro-2-butene	79		72		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01
Client ID: B9W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 11:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/15/18 15:37
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35

Client ID: B9W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	88		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01
Client ID: B9W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 11:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/15/18 15:49
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.08	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35

Client ID: B9W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	107		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02
Client ID: B8W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 12:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/15/18 16:05
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02 Date Collected: 08/08/18 12:35

Client ID: B8W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	92		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02
Client ID: B8W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 12:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/15/18 16:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.26		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.19		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.34		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.11		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.22		ug/l	0.10	0.01	1
Phenanthrene	0.42		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.15		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.13		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02 Date Collected: 08/08/18 12:35

Client ID: B8W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	112		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03
Client ID: B6W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 13:45
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/15/18 16:33
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03 Date Collected: 08/08/18 13:45

Client ID: B6W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	8.8	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	95		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03
Client ID: B6W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 13:45
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/15/18 16:41
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.11		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.06	J	ug/l	0.10	0.01	1
Phenanthrene	0.10		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03 Date Collected: 08/08/18 13:45

Client ID: B6W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	109		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04
Client ID: B2W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 14:40
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/15/18 17:00
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 Date Collected: 08/08/18 14:40

Client ID: B2W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	1.0	J	ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	0.65	J	ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	10.	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	95		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04
Client ID: B2W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 14:40
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/15/18 17:08
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.41		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.60		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.13		ug/l	0.10	0.01	1
Phenanthrene	0.13		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.34		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 Date Collected: 08/08/18 14:40

Client ID: B2W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	113		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/15/18 11:28
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1146483-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/15/18 11:28
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1146483-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/15/18 11:28
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1146483-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49
Tentatively Identified Compounds					
Total TIC Compounds	66.6	J	ug/l		
Aldol Condensates	63.3	J	ug/l		
Unknown	3.27	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	84		41-149

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/15/18 14:29
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1146485-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/15/18 14:29
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 20:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1146485-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	107		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1146483-2 WG1146483-3								
Acenaphthene	81		91		37-111	12		30
1,2,4-Trichlorobenzene	72		78		39-98	8		30
Hexachlorobenzene	82		89		40-140	8		30
Bis(2-chloroethyl)ether	76		84		40-140	10		30
2-Chloronaphthalene	80		86		40-140	7		30
1,2-Dichlorobenzene	72		76		40-140	5		30
1,3-Dichlorobenzene	71		74		40-140	4		30
1,4-Dichlorobenzene	71		75		36-97	5		30
3,3'-Dichlorobenzidine	53		75		40-140	**34**	Q	30
2,4-Dinitrotoluene	80		87		48-143	8		30
2,6-Dinitrotoluene	82		92		40-140	11		30
Fluoranthene	84		85		40-140	1		30
4-Chlorophenyl phenyl ether	82		92		40-140	11		30
4-Bromophenyl phenyl ether	81		90		40-140	11		30
Bis(2-chloroisopropyl)ether	74		79		40-140	7		30
Bis(2-chloroethoxy)methane	76		82		40-140	8		30
Hexachlorobutadiene	76		82		40-140	8		30
Hexachlorocyclopentadiene	76		76		40-140	0		30
Hexachloroethane	69		76		40-140	10		30
Isophorone	75		82		40-140	9		30
Naphthalene	79		84		40-140	6		30
Nitrobenzene	76		83		40-140	9		30
NDPA/DPA	83		90		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1146483-2 WG1146483-3								
n-Nitrosodi-n-propylamine	78		86		29-132	10		30
Bis(2-ethylhexyl)phthalate	84		86		40-140	2		30
Butyl benzyl phthalate	79		80		40-140	1		30
Di-n-butylphthalate	83		81		40-140	2		30
Di-n-octylphthalate	78		77		40-140	1		30
Diethyl phthalate	85		90		40-140	6		30
Dimethyl phthalate	86		89		40-140	3		30
Benzo(a)anthracene	82		86		40-140	5		30
Benzo(a)pyrene	92		92		40-140	0		30
Benzo(b)fluoranthene	86		88		40-140	2		30
Benzo(k)fluoranthene	91		91		40-140	0		30
Chrysene	85		88		40-140	3		30
Acenaphthylene	81		88		45-123	8		30
Anthracene	87		91		40-140	4		30
Benzo(ghi)perylene	94		99		40-140	5		30
Fluorene	84		93		40-140	10		30
Phenanthrene	84		88		40-140	5		30
Dibenzo(a,h)anthracene	99		102		40-140	3		30
Indeno(1,2,3-cd)pyrene	99		105		40-140	6		30
Pyrene	82		80		26-127	2		30
Biphenyl	83		87		40-140	5		30
4-Chloroaniline	50		81		40-140	**47**	Q	30
2-Nitroaniline	79		85		52-143	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1146483-2 WG1146483-3								
3-Nitroaniline	65		84		25-145	26		30
4-Nitroaniline	62		82		51-143	28		30
Dibenzofuran	82		90		40-140	9		30
2-Methylnaphthalene	80		85		40-140	6		30
1,2,4,5-Tetrachlorobenzene	79		84		2-134	6		30
Acetophenone	74		82		39-129	10		30
2,4,6-Trichlorophenol	80		87		30-130	8		30
p-Chloro-m-cresol	82		87		23-97	6		30
2-Chlorophenol	74		82		27-123	10		30
2,4-Dichlorophenol	80		86		30-130	7		30
2,4-Dimethylphenol	76		78		30-130	3		30
2-Nitrophenol	82		89		30-130	8		30
4-Nitrophenol	62		65		10-80	5		30
2,4-Dinitrophenol	85		87		20-130	2		30
4,6-Dinitro-o-cresol	79		84		20-164	6		30
Pentachlorophenol	77		81		9-103	5		30
Phenol	55		63		12-110	14		30
2-Methylphenol	74		81		30-130	9		30
3-Methylphenol/4-Methylphenol	74		81		30-130	9		30
2,4,5-Trichlorophenol	85		91		30-130	7		30
Benzoic Acid	98		97		10-164	1		30
Benzyl Alcohol	60		72		26-116	18		30
Carbazole	84		87		55-144	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1146483-2 WG1146483-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		74		21-120
Phenol-d6	53		62		10-120
Nitrobenzene-d5	78		87		23-120
2-Fluorobiphenyl	84		92		15-120
2,4,6-Tribromophenol	89		95		10-120
4-Terphenyl-d14	94		98		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1146485-2 WG1146485-3								
Acenaphthene	84		87		40-140	4		40
2-Chloronaphthalene	85		88		40-140	3		40
Fluoranthene	109		113		40-140	4		40
Hexachlorobutadiene	76		76		40-140	0		40
Naphthalene	76		78		40-140	3		40
Benzo(a)anthracene	88		90		40-140	2		40
Benzo(a)pyrene	96		103		40-140	7		40
Benzo(b)fluoranthene	99		102		40-140	3		40
Benzo(k)fluoranthene	92		96		40-140	4		40
Chrysene	86		91		40-140	6		40
Acenaphthylene	102		106		40-140	4		40
Anthracene	91		97		40-140	6		40
Benzo(ghi)perylene	78		82		40-140	5		40
Fluorene	94		98		40-140	4		40
Phenanthrene	85		88		40-140	3		40
Dibenzo(a,h)anthracene	89		91		40-140	2		40
Indeno(1,2,3-cd)pyrene	90		92		40-140	2		40
Pyrene	107		111		40-140	4		40
2-Methylnaphthalene	82		84		40-140	2		40
Pentachlorophenol	101		104		40-140	3		40
Hexachlorobenzene	94		97		40-140	3		40
Hexachloroethane	63		65		40-140	3		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1146485-2 WG1146485-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		61		21-120
Phenol-d6	49		51		10-120
Nitrobenzene-d5	83		87		23-120
2-Fluorobiphenyl	96		97		15-120
2,4,6-Tribromophenol	101		108		10-120
4-Terphenyl-d14	115		118		41-149

PCBS

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01
Client ID: B9W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 11:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/15/18 12:55
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 12:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02
Client ID: B8W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 12:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/15/18 13:22
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 12:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03
Client ID: B6W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 13:45
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/15/18 13:35
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 12:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04
Client ID: B2W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 14:40
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/15/18 13:49
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 12:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/14/18 01:25
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 08/13/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/18
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1146017-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1146017-2 WG1146017-3									
Aroclor 1016	68		70		40-140	2		50	A
Aroclor 1260	71		72		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		87		30-150	A
Decachlorobiphenyl	75		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		100		30-150	B
Decachlorobiphenyl	92		96		30-150	B

PESTICIDES

Project Name: 495 11TH AVE.
Lab Number: L1830815
Project Number: KM17075
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01
Client ID: B9W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 11:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/15/18 12:22
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 16:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35

Client ID: B9W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02
Client ID: B8W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 12:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/15/18 12:35
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 16:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02 Date Collected: 08/08/18 12:35

Client ID: B8W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03
Client ID: B6W (S)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 13:45
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/15/18 12:48
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 16:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03 Date Collected: 08/08/18 13:45

Client ID: B6W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 495 11TH AVE.
Lab Number: L1830815
Project Number: KM17075
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 D
Client ID: B2W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 14:40
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/16/18 17:23
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 16:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.143	0.033	10	A
Lindane	ND		ug/l	0.143	0.031	10	A
Alpha-BHC	ND		ug/l	0.143	0.031	10	A
Beta-BHC	ND		ug/l	0.143	0.040	10	A
Heptachlor	ND		ug/l	0.143	0.022	10	A
Aldrin	ND		ug/l	0.143	0.015	10	A
Heptachlor epoxide	ND		ug/l	0.143	0.030	10	A
Endrin	ND		ug/l	0.286	0.031	10	A
Endrin aldehyde	ND		ug/l	0.286	0.058	10	A
Endrin ketone	ND		ug/l	0.286	0.034	10	A
Dieldrin	ND		ug/l	0.286	0.031	10	A
4,4'-DDE	ND		ug/l	0.286	0.027	10	A
4,4'-DDD	ND		ug/l	0.286	0.033	10	A
4,4'-DDT	ND		ug/l	0.286	0.031	10	A
Endosulfan I	ND		ug/l	0.143	0.025	10	A
Endosulfan II	ND		ug/l	0.286	0.037	10	A
Endosulfan sulfate	ND		ug/l	0.286	0.034	10	A
Methoxychlor	ND		ug/l	1.43	0.049	10	A
Toxaphene	ND		ug/l	1.43	0.448	10	A
cis-Chlordane	ND		ug/l	0.143	0.048	10	A
trans-Chlordane	ND		ug/l	0.143	0.045	10	A
Chlordane	ND		ug/l	1.43	0.331	10	A

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 D
Client ID: B2W (D)
Sample Location: NEW YORK, NY

Date Collected: 08/08/18 14:40
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/15/18 11:31
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 16:23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1146322-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/15/18 11:31
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 08/14/18 16:23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1146322-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1146322-2 WG1146322-3									
Delta-BHC	74		43		30-150	**54**	Q	20	A
Lindane	74		41		30-150	**57**	Q	20	A
Alpha-BHC	75		42		30-150	**57**	Q	20	A
Beta-BHC	81		43		30-150	**60**	Q	20	A
Heptachlor	95		53		30-150	**56**	Q	20	A
Aldrin	81		48		30-150	**51**	Q	20	A
Heptachlor epoxide	101		55		30-150	**59**	Q	20	A
Endrin	89		53		30-150	**50**	Q	20	A
Endrin aldehyde	77		49		30-150	**44**	Q	20	A
Endrin ketone	87		46		30-150	**61**	Q	20	A
Dieldrin	87		51		30-150	**52**	Q	20	A
4,4'-DDE	81		46		30-150	**55**	Q	20	A
4,4'-DDD	85		49		30-150	**53**	Q	20	A
4,4'-DDT	86		55		30-150	**44**	Q	20	A
Endosulfan I	86		50		30-150	**53**	Q	20	A
Endosulfan II	85		50		30-150	**52**	Q	20	A
Endosulfan sulfate	92		56		30-150	**50**	Q	20	A
Methoxychlor	107		69		30-150	**43**	Q	20	A
cis-Chlordane	78		48		30-150	**48**	Q	20	A
trans-Chlordane	87		47		30-150	**59**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1146322-2 WG1146322-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		47		30-150	A
Decachlorobiphenyl	77		47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		44		30-150	B
Decachlorobiphenyl	78		45		30-150	B

METALS

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35

Client ID: B9W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.689		mg/l	0.0100	0.00327	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Antimony, Total	0.00147	J	mg/l	0.00400	0.00042	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00267		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Barium, Total	0.06298		mg/l	0.00050	0.00017	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00012	J	mg/l	0.00050	0.00010	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00010	J	mg/l	0.00020	0.00005	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Calcium, Total	116.		mg/l	0.100	0.0394	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Chromium, Total	0.00062	J	mg/l	0.00100	0.00017	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00118		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Copper, Total	0.00952		mg/l	0.00100	0.00038	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Iron, Total	2.50		mg/l	0.0500	0.0191	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Lead, Total	0.00561		mg/l	0.00100	0.00034	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Magnesium, Total	27.5		mg/l	0.0700	0.0242	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Manganese, Total	0.1443		mg/l	0.00100	0.00044	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/13/18 15:15	08/14/18 12:01	EPA 7470A	1,7470A	MG
Nickel, Total	0.00386		mg/l	0.00200	0.00055	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Potassium, Total	34.8		mg/l	0.100	0.0309	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Sodium, Total	139.		mg/l	0.100	0.0293	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Zinc, Total	0.01357		mg/l	0.01000	0.00341	1	08/13/18 12:20	08/14/18 17:39	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.487		mg/l	0.0100	0.00327	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00259	J	mg/l	0.00400	0.00042	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00235		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.05565		mg/l	0.00050	0.00017	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-01 Date Collected: 08/08/18 11:35

Client ID: B9W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Calcium, Dissolved	119.		mg/l	0.100	0.0394	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00044	J	mg/l	0.00100	0.00017	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00114		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00744		mg/l	0.00100	0.00038	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Iron, Dissolved	1.86		mg/l	0.0500	0.0191	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00401		mg/l	0.00100	0.00034	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	32.5		mg/l	0.0700	0.0242	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.1552		mg/l	0.00100	0.00044	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00100	0.00033	1	08/14/18 11:32	08/15/18 13:53	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.00378		mg/l	0.00200	0.00055	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Potassium, Dissolved	34.3		mg/l	0.100	0.0309	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Sodium, Dissolved	137.		mg/l	0.100	0.0293	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01058		mg/l	0.01000	0.00341	1	08/14/18 10:45	08/15/18 10:01	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02 Date Collected: 08/08/18 12:35

Client ID: B8W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0840		mg/l	0.0100	0.00327	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Antimony, Total	0.00075	J	mg/l	0.00400	0.00042	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00084		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Barium, Total	0.1167		mg/l	0.00050	0.00017	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Calcium, Total	92.8		mg/l	0.100	0.0394	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Chromium, Total	0.00053	J	mg/l	0.00100	0.00017	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00119		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Copper, Total	0.00359		mg/l	0.00100	0.00038	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Iron, Total	4.78		mg/l	0.0500	0.0191	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Lead, Total	0.00145		mg/l	0.00100	0.00034	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Magnesium, Total	18.4		mg/l	0.0700	0.0242	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Manganese, Total	0.2108		mg/l	0.00100	0.00044	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/13/18 15:15	08/14/18 12:19	EPA 7470A	1,7470A	MG
Nickel, Total	0.00155	J	mg/l	0.00200	0.00055	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Potassium, Total	28.5		mg/l	0.100	0.0309	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Sodium, Total	294.		mg/l	0.100	0.0293	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/13/18 12:20	08/14/18 19:00	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00993	J	mg/l	0.0100	0.00327	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00092	J	mg/l	0.00400	0.00042	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00049	J	mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1012		mg/l	0.00050	0.00017	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE.
Lab Number: L1830815
Project Number: KM17075
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-02
Client ID: B8W (D)
Sample Location: NEW YORK, NY
Date Collected: 08/08/18 12:35
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Calcium, Dissolved	98.2		mg/l	0.100	0.0394	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00031	J	mg/l	0.00100	0.00017	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00123		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00214		mg/l	0.00100	0.00038	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.133		mg/l	0.0500	0.0191	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00254		mg/l	0.00100	0.00034	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	20.0		mg/l	0.0700	0.0242	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.2220		mg/l	0.00100	0.00044	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/14/18 11:32	08/15/18 13:58	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.00192	J	mg/l	0.00200	0.00055	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Potassium, Dissolved	28.5		mg/l	0.100	0.0309	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Sodium, Dissolved	292.		mg/l	0.100	0.0293	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00518	J	mg/l	0.01000	0.00341	1	08/14/18 10:45	08/15/18 10:05	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03 Date Collected: 08/08/18 13:45

Client ID: B6W (S) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.91		mg/l	0.0100	0.00327	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Antimony, Total	0.00125	J	mg/l	0.00400	0.00042	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00359		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Barium, Total	0.1738		mg/l	0.00050	0.00017	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00011	J	mg/l	0.00050	0.00010	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Calcium, Total	57.0		mg/l	0.100	0.0394	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Chromium, Total	0.00404		mg/l	0.00100	0.00017	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00224		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Copper, Total	0.01181		mg/l	0.00100	0.00038	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Iron, Total	5.48		mg/l	0.0500	0.0191	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Lead, Total	0.00622		mg/l	0.00100	0.00034	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Magnesium, Total	15.4		mg/l	0.0700	0.0242	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Manganese, Total	0.1122		mg/l	0.00100	0.00044	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/13/18 15:15	08/14/18 12:20	EPA 7470A	1,7470A	MG
Nickel, Total	0.00480		mg/l	0.00200	0.00055	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Potassium, Total	26.7		mg/l	0.100	0.0309	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Sodium, Total	177.		mg/l	0.100	0.0293	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00762		mg/l	0.00500	0.00157	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Zinc, Total	0.02002		mg/l	0.01000	0.00341	1	08/13/18 12:20	08/14/18 19:04	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	1.46		mg/l	0.0100	0.00327	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00164	J	mg/l	0.00400	0.00042	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00278		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1613		mg/l	0.00050	0.00017	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE.
Lab Number: L1830815
Project Number: KM17075
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-03
Client ID: B6W (S)
Sample Location: NEW YORK, NY
Date Collected: 08/08/18 13:45
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Calcium, Dissolved	57.1		mg/l	0.100	0.0394	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00322		mg/l	0.00100	0.00017	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00185		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00994		mg/l	0.00100	0.00038	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Iron, Dissolved	4.23		mg/l	0.0500	0.0191	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00523		mg/l	0.00100	0.00034	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	15.5		mg/l	0.0700	0.0242	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.1099		mg/l	0.00100	0.00044	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/14/18 11:32	08/15/18 14:00	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.00461		mg/l	0.00200	0.00055	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Potassium, Dissolved	25.0		mg/l	0.100	0.0309	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Sodium, Dissolved	171.		mg/l	0.100	0.0293	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00605		mg/l	0.00500	0.00157	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01621		mg/l	0.01000	0.00341	1	08/14/18 10:45	08/15/18 10:09	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04 Date Collected: 08/08/18 14:40

Client ID: B2W (D) Date Received: 08/08/18

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0673		mg/l	0.0100	0.00327	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Antimony, Total	0.00067	J	mg/l	0.00400	0.00042	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00197		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Barium, Total	0.1569		mg/l	0.00050	0.00017	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Calcium, Total	158.		mg/l	0.100	0.0394	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Chromium, Total	0.00089	J	mg/l	0.00100	0.00017	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00261		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Copper, Total	0.01033		mg/l	0.00100	0.00038	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Iron, Total	4.06		mg/l	0.0500	0.0191	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Lead, Total	0.00854		mg/l	0.00100	0.00034	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Magnesium, Total	31.3		mg/l	0.0700	0.0242	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Manganese, Total	0.8530		mg/l	0.00100	0.00044	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/13/18 15:15	08/14/18 12:22	EPA 7470A	1,7470A	MG
Nickel, Total	0.00652		mg/l	0.00200	0.00055	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Potassium, Total	52.1		mg/l	0.100	0.0309	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Sodium, Total	1360		mg/l	5.00	1.46	50	08/13/18 12:20	08/15/18 10:32	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00159	J	mg/l	0.00500	0.00157	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Zinc, Total	0.00667	J	mg/l	0.01000	0.00341	1	08/13/18 12:20	08/14/18 19:09	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0627		mg/l	0.0100	0.00327	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00101	J	mg/l	0.00400	0.00042	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00136		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1174		mg/l	0.00050	0.00017	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE.
Lab Number: L1830815
Project Number: KM17075
Report Date: 08/16/18

SAMPLE RESULTS

Lab ID: L1830815-04
Client ID: B2W (D)
Sample Location: NEW YORK, NY
Date Collected: 08/08/18 14:40
Date Received: 08/08/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Calcium, Dissolved	183.		mg/l	0.100	0.0394	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00096	J	mg/l	0.00100	0.00017	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00278		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00562		mg/l	0.00100	0.00038	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Iron, Dissolved	2.88		mg/l	0.0500	0.0191	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00476		mg/l	0.00100	0.00034	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	38.4		mg/l	0.0700	0.0242	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9400		mg/l	0.00100	0.00044	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/14/18 11:32	08/15/18 14:02	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.00647		mg/l	0.00200	0.00055	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Potassium, Dissolved	59.1		mg/l	0.100	0.0309	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Sodium, Dissolved	1470		mg/l	5.00	1.46	50	08/14/18 10:45	08/15/18 11:55	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00195	J	mg/l	0.00500	0.00157	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00576	J	mg/l	0.01000	0.00341	1	08/14/18 10:45	08/15/18 10:13	EPA 3005A	1,6020B	AM

Project Name: 495 11TH AVE. **Lab Number:** L1830815

Project Number: KM17075 **Report Date:** 08/16/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1145837-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Antimony, Total	0.00051	J	mg/l	0.00400	0.00042	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/13/18 12:20	08/14/18 17:03	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1145954-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	08/13/18 15:15	08/14/18 11:47	1,7470A	MG

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1146240-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Antimony, Dissolved	0.00119	J	mg/l	0.00400	0.00042	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Iron, Dissolved	0.0477	J	mg/l	0.0500	0.0191	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Manganese, Dissolved	0.00047	J	mg/l	0.00100	0.00044	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Sodium, Dissolved	0.0363	J	mg/l	0.100	0.0293	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/14/18 10:45	08/15/18 09:41	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: 495 11TH AVE.
Project Number: KM17075
Lab Number: L1830815
Report Date: 08/16/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1146283-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	08/14/18 11:32	08/15/18 13:50	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1145837-2								
Aluminum, Total	114		-		80-120	-		
Antimony, Total	91		-		80-120	-		
Arsenic, Total	112		-		80-120	-		
Barium, Total	113		-		80-120	-		
Beryllium, Total	116		-		80-120	-		
Cadmium, Total	117		-		80-120	-		
Calcium, Total	111		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Cobalt, Total	108		-		80-120	-		
Copper, Total	111		-		80-120	-		
Iron, Total	118		-		80-120	-		
Lead, Total	108		-		80-120	-		
Magnesium, Total	110		-		80-120	-		
Manganese, Total	108		-		80-120	-		
Nickel, Total	109		-		80-120	-		
Potassium, Total	108		-		80-120	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	108		-		80-120	-		
Sodium, Total	107		-		80-120	-		
Thallium, Total	107		-		80-120	-		
Vanadium, Total	106		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1145837-2					
Zinc, Total	113	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1145954-2					
Mercury, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1146240-2					
Aluminum, Dissolved	109	-	80-120	-	
Antimony, Dissolved	96	-	80-120	-	
Arsenic, Dissolved	105	-	80-120	-	
Barium, Dissolved	103	-	80-120	-	
Beryllium, Dissolved	109	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	99	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	97	-	80-120	-	
Iron, Dissolved	113	-	80-120	-	
Lead, Dissolved	106	-	80-120	-	
Magnesium, Dissolved	104	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	99	-	80-120	-	
Potassium, Dissolved	101	-	80-120	-	
Selenium, Dissolved	99	-	80-120	-	
Silver, Dissolved	106	-	80-120	-	
Sodium, Dissolved	101	-	80-120	-	
Thallium, Dissolved	104	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1146240-2					
Zinc, Dissolved	102	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1146283-2					
Mercury, Dissolved	88	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1145837-3 WG1145837-4 QC Sample: L1830674-01 Client ID: MS Sample												
Aluminum, Total	0.536	2	2.75	111		2.96	121		75-125	7		20
Antimony, Total	0.00141J	0.5	0.5850	117		0.6105	122		75-125	4		20
Arsenic, Total	0.00446	0.12	0.1322	106		0.1440	116		75-125	9		20
Barium, Total	0.06779	2	2.250	109		2.376	115		75-125	5		20
Beryllium, Total	ND	0.05	0.05392	108		0.06304	**126**	Q	75-125	16		20
Cadmium, Total	0.00010J	0.051	0.05572	109		0.05943	116		75-125	6		20
Calcium, Total	238.	10	250	120		269	**310**	Q	75-125	7		20
Chromium, Total	0.00260	0.2	0.1956	96		0.2108	104		75-125	7		20
Cobalt, Total	0.00148	0.5	0.4830	96		0.5222	104		75-125	8		20
Copper, Total	0.01846	0.25	0.2589	96		0.2772	103		75-125	7		20
Iron, Total	2.44	1	3.43	99		3.59	115		75-125	5		20
Lead, Total	0.1434	0.51	0.6668	103		0.6931	108		75-125	4		20
Magnesium, Total	86.9	10	110	**231**	Q	118	**311**	Q	75-125	7		20
Manganese, Total	0.1055	0.5	0.6000	99		0.6374	106		75-125	6		20
Nickel, Total	0.00475	0.5	0.4844	96		0.5178	103		75-125	7		20
Potassium, Total	43.1	10	53.7	106		57.5	**144**	Q	75-125	7		20
Selenium, Total	ND	0.12	0.123	102		0.137	114		75-125	11		20
Silver, Total	ND	0.05	0.05090	102		0.05290	106		75-125	4		20
Sodium, Total	543.	10	531	**0**	Q	571	**280**	Q	75-125	7		20
Thallium, Total	ND	0.12	0.1237	103		0.1276	106		75-125	3		20
Vanadium, Total	0.00359J	0.5	0.5026	100		0.5356	107		75-125	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1145837-3 WG1145837-4 QC Sample: L1830674-01 Client ID: MS Sample									
Zinc, Total	0.06592	0.5	0.5663	100	0.6114	109	75-125	8	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1145837-7 WG1145837-8 QC Sample: L1830659-01 Client ID: MS Sample											
Aluminum, Total	9.68	2	14.6	**246**	Q	14.7	**251**	Q	75-125	1	20
Antimony, Total	0.00221J	0.5	0.4312	86		0.4482	90		75-125	4	20
Arsenic, Total	0.1970	0.12	0.3289	110		0.3363	116		75-125	2	20
Barium, Total	0.3574	2	2.639	114		2.669	116		75-125	1	20
Beryllium, Total	0.00058	0.05	0.05649	112		0.05580	110		75-125	1	20
Cadmium, Total	0.00066	0.051	0.05875	114		0.06011	116		75-125	2	20
Calcium, Total	136.	10	156	**200**	Q	162	**260**	Q	75-125	4	20
Chromium, Total	0.02514	0.2	0.2373	106		0.2387	107		75-125	1	20
Cobalt, Total	0.01027	0.5	0.5373	105		0.5404	106		75-125	1	20
Copper, Total	0.09879	0.25	0.3713	109		0.3728	110		75-125	0	20
Iron, Total	20.9	1	23.7	**280**	Q	23.8	**290**	Q	75-125	0	20
Lead, Total	0.2668	0.51	0.8385	112		0.8484	114		75-125	1	20
Magnesium, Total	21.9	10	36.0	**141**	Q	36.3	**144**	Q	75-125	1	20
Manganese, Total	3.267	0.5	4.097	**166**	Q	4.173	**181**	Q	75-125	2	20
Nickel, Total	0.03875	0.5	0.5718	107		0.5665	106		75-125	1	20
Potassium, Total	15.9	10	28.0	121		28.1	122		75-125	0	20
Selenium, Total	0.00304J	0.12	0.120	100		0.119	99		75-125	1	20
Silver, Total	0.00052	0.05	0.05485	109		0.05453	108		75-125	1	20
Sodium, Total	41.6	10	60.0	**184**	Q	60.6	**190**	Q	75-125	1	20
Thallium, Total	0.00021J	0.12	0.1320	110		0.1326	110		75-125	0	20
Vanadium, Total	0.02724	0.5	0.5597	106		0.5652	108		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1145837-7 WG1145837-8 QC Sample: L1830659-01 Client ID: MS Sample									
Zinc, Total	0.2419	0.5	0.7949	111	0.7993	111	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1145954-3 WG1145954-4 QC Sample: L1830674-01 Client ID: MS Sample									
Mercury, Total	0.00011J	0.005	0.00466	93	0.00452	90	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1146240-3 QC Sample: L1830815-01 Client ID: B9W (S)										
Aluminum, Dissolved	0.487	2	2.84	118		-	-	75-125	-	20
Antimony, Dissolved	0.00259J	0.5	0.5691	114		-	-	75-125	-	20
Arsenic, Dissolved	0.00235	0.12	0.1332	109		-	-	75-125	-	20
Barium, Dissolved	0.05565	2	2.274	111		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05824	116		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05785	113		-	-	75-125	-	20
Calcium, Dissolved	119.	10	133	**140**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00044J	0.2	0.2140	107		-	-	75-125	-	20
Cobalt, Dissolved	0.00114	0.5	0.5218	104		-	-	75-125	-	20
Copper, Dissolved	0.00744	0.25	0.2667	104		-	-	75-125	-	20
Iron, Dissolved	1.86	1	3.04	118		-	-	75-125	-	20
Lead, Dissolved	0.00401	0.51	0.5561	108		-	-	75-125	-	20
Magnesium, Dissolved	32.5	10	44.8	123		-	-	75-125	-	20
Manganese, Dissolved	0.1552	0.5	0.6927	108		-	-	75-125	-	20
Nickel, Dissolved	0.00378	0.5	0.5239	104		-	-	75-125	-	20
Potassium, Dissolved	34.3	10	46.2	119		-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.139	116		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05389	108		-	-	75-125	-	20
Sodium, Dissolved	137.	10	174	**370**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1287	107		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5518	110		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1146240-3 QC Sample: L1830815-01 Client ID: B9W (S)									
Zinc, Dissolved	0.01058	0.5	0.5630	110	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1146283-3 QC Sample: L1830815-01 Client ID: B9W (S)									
Mercury, Dissolved	ND	0.025	0.02370	95	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1146240-4 QC Sample: L1830815-01 Client ID: B9W (S)						
Aluminum, Dissolved	0.487	0.492	mg/l	1		20
Antimony, Dissolved	0.00259J	0.00338J	mg/l	NC		20
Arsenic, Dissolved	0.00235	0.00222	mg/l	6		20
Barium, Dissolved	0.05565	0.05692	mg/l	2		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	119.	118	mg/l	1		20
Chromium, Dissolved	0.00044J	0.00047J	mg/l	NC		20
Cobalt, Dissolved	0.00114	0.00117	mg/l	3		20
Copper, Dissolved	0.00744	0.00685	mg/l	8		20
Iron, Dissolved	1.86	1.83	mg/l	2		20
Lead, Dissolved	0.00401	0.00402	mg/l	0		20
Magnesium, Dissolved	32.5	32.5	mg/l	0		20
Manganese, Dissolved	0.1552	0.1546	mg/l	0		20
Nickel, Dissolved	0.00378	0.00375	mg/l	1		20
Potassium, Dissolved	34.3	34.8	mg/l	1		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	137.	138	mg/l	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 495 11TH AVE.

Project Number: KM17075

Lab Number: L1830815

Report Date: 08/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1146240-4 QC Sample: L1830815-01 Client ID: B9W (S)					
Thallium, Dissolved	ND	0.00018J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.01058	0.01029	mg/l	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1146283-4 QC Sample: L1830815-01 Client ID: B9W (S)					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1830815-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-01D	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-01E	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-01F	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-01G	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-01H	Plastic 250ml unpreserved	A	7	7	3.7	Y	Absent		-
L1830815-01J	Plastic 250ml HNO3 preserved	A	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1830815-01K	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1830815-01L	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1830815-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.7	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1830815-02A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-02B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-02C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1830815-02D	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-02E	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-02F	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-02G	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-02H	Plastic 250ml unpreserved	A	7	7	3.7	Y	Absent		-
L1830815-02J	Plastic 250ml HNO3 preserved	A	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1830815-02K	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1830815-02L	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1830815-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.7	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1830815-03A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-03B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-03C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-03D	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-03E	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-03F	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-03G	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-03H	Plastic 250ml unpreserved	A	7	7	3.7	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1830815-03J	Plastic 250ml HNO3 preserved	A	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1830815-03K	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1830815-03L	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1830815-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.7	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1830815-04A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-04B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-04C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1830815-04D	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-04E	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(7)
L1830815-04F	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-04G	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L1830815-04H	Plastic 250ml unpreserved	A	7	7	3.7	Y	Absent		-
L1830815-04J	Plastic 250ml HNO3 preserved	A	<2	<2	3.7	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1830815-04K	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1830815-04L	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 495 11TH AVE.
Project Number: KM17075

Lab Number: L1830815
Report Date: 08/16/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1830815-04X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.7	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	495 11TH AVE.	**Lab Number:**	L1830815
Project Number:	KM17075	**Report Date:**	08/16/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample¿s toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers

Project Name:	495 11TH AVE.	**Lab Number:**	L1830815
Project Number:	KM17075	**Report Date:**	08/16/18

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	495 11TH AVE.	**Lab Number:**	L1830815
Project Number:	KM17075	**Report Date:**	08/16/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Client Information
Client: WCD Group
Address: 24 Davis Ave
Poughkeepsie, NY
Phone: 845-452-1658
Fax:
Email: rhooker@wcdgroup.com

Project Information
Project Name: 495 11th Ave
Project Location: New York, NY
Project # KM17075
(Use Project name as Project #) ☐
Project Manager: Richard Hooker
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5

These samples have been previously analyzed by Alpha ☐
Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Summary Report

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☒ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	TAL Metals (Total + dissolved)	PCB	Pest				Sample Specific Comments
30215-01	B3W (S)	8/8/18	1135	GW	AD	✓	✓	✓	✓	✓				
02	B8W (D)	8/8/18	1235	GW	AD	✓	✓	✓	✓	✓				
03	B6W (S)	8/8/18	1345	GW	AD	✓	✓	✓	✓	✓				
04	B2W (D)	8/8/18	1440	GW	AD	✓	✓	✓	✓	✓				

Total Bottles

Container Type	Vial	250mL P	250mL P	120mL A	120mL A			
Preservative	HCl	4	4/HNO3	4	4			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By	Date/Time	Received By	Date/Time
	8/8/18 1440		8/8/18 14:40
	8/8/18 1744		8/8/18 1835
D/Santos AAL	8/8/18 2250		8/8/18 2250

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)