542-544 WEST 29TH STREET

MANHATTAN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: N/A

Prepared for:

Largo Investments, LLC

155 Nobel Street, Second Floor

Brooklyn, NY 11222

asaf@largoinvestments.com

212-960-8028

Prepared by:

Hydro Tech Environmental Engineering and Geology, DPC

77 Arkay Drive Suite G

Hauppauge, NY 11788

631-462-5866

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, Mark Robbins, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 542-544 West 29th Street, Manhattan, (NYC VCP Site No. N/A). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Mark Robbins	11/16/17	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 542-544 West 29th Street in the Chelsea section in Manhattan, New York and is identified as Block 700 and Lot 57 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 4,937-square feet and is bounded by West 29th Street to the north, a 31 story residential building to the south, a three story mixed use commercial and residential building to the east, and a 2 story commercial building to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is occupied by a wholesale fish market and contains a two story building that is constructed slab on grade.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a ten-story residential building with a roof and bulkhead. The building will cover the entire footprint of the Site. A 3,248 square foot partial cellar will be excavated to 11 feet, 2 inches below grade, and construction of an elevator pit will require an additional 5 feet of excavation to a total depth of 15 feet, 2 inches below grade. The cellar footprint is irregularly shaped will be setback slightly on the western, southern and eastern portions of the site. The area outside of the cellar footprint will consist of slab on grade construction, and this area requires excavation sloping from 0 to 11 feet, 2 inches below grade to install support of excavation for the cellar. The cellar will be used for exercise rooms, storage and utility space. The first floor will be used for parking across the Site. It is anticipated that approximately 2,000 tons of soil will be excavated during the excavation of the Site. Limited dewatering is planned during excavation for the elevator pit and cellar.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of a Phase I Environmental Site Assessment (ESA) reports prepared by AEI Consultants in April 2014 and Hydro Tech Environmental in June 2016, the following Site history was established. The Subject Property was developed prior to 1890 with two unspecified use buildings which were demolished between 1899 and 1911. The Subject Property

was then used as a lumber yard. The existing building at the Site was constructed between 1930 and 1950, and served as an auto body shop from 1947 to 1998.

The entire property is considered an Area of Concern. This is based upon the findings obtained in the previous Phase I that include:

- The historic use of the Subject Property as an auto shop;
- The presence of VOCs in groundwater;
- The presence of E- Designation at the Subject Property;
- The presence of adjacent NY Spills that have may have impacted the groundwater.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed five soil borings across the entire project Site, and collected ten soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed two soil vapor probes around Site perimeter and collected two samples for chemical analysis;
5. Collected one indoor ambient air sample.

Summary of Environmental Findings

1. Elevation of the property ranges from 13.07 to 13.14 feet.
2. Depth to groundwater ranges from 11.22 to 11.51 feet at the Site.
3. Groundwater flow is generally from north to south beneath the Site.
4. Bedrock was not encountered at the Site.
5. The stratigraphy of the site, from the surface down, consists of 12 feet of coarse brown sand and pebbles mixed with historic fill material to a depth of 8 feet below grade.

6. Soil/fill samples collected during the RI were compared to NYSDEC Part 375-6 Unrestricted Use (Track 1) and Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs). Soil/fill samples collected during the RI show no PCBs or Pesticides at concentrations exceeding their detection limits . The VOCs 2-butanone, acetone, methylene chloride, naphthalene, and toluene were detected at concentrations well below their Unrestricted Use SCOs. Six (6) SVOCs including benzo(a)anthracene (maximum 13.7 mg/kg), benzo(a)pyrene (maximum 5.32 mg/kg), benzo(b)fluoranthene (maximum 7.29 mg/kg), chrysene (maximum 12.3 mg/kg), dibenzo(a,h)anthracene (maximum 0.565 mg/kg), and indeno(1,2,3-cd)pyrene (maximum 2.17 mg/kg) are present in the shallow soil samples at concentrations exceeding their respective Track 2 Restricted Residential SCOs. Five (5) metals including arsenic, hexavalent chromium, nickel, selenium, and zinc were detected at concentrations exceeding Unrestricted Use SCOs. In addition, five (5) metals, specifically barium (maximum 587 mg/kg), cadmium (maximum 8.25 mg/kg), copper (maximum 6,370 mg/kg), lead (maximum 1,820 mg/kg), and mercury (maximum 7.39 mg/kg) are present in the shallow and deep samples at concentrations exceeding their respective Restricted Residential SCOs. Overall, with the exceptions of the high levels of metals detected in shallow soil/fill samples, the findings were consistent with observations for other historical fill sites in NYC.

7. Groundwater samples collected during the RI were compared to NYSDEC 6NYCRR Part 703.5 class GA Groundwater Quality Standards (GQS). Groundwater samples collected during the RI show no PCBs or Pesticides at concentrations exceeding Groundwater Quality Standards (GQSs). Although MTBE (11 µg/L) and benzene (max 1.4 µg/L) were detected above GQS in one groundwater sample during the 2014 Phase II, no VOCs exceeded GQS in the most recent round of sampling. Six (6) SVOCs, specifically benzo(a)anthracene (maximum 0.27 µg/L), benzo(a)pyrene (maximum 0.17 µg/L), benzo(b)fluoranthene (maximum 0.17 µg/L), benzo(k)fluoranthene (maximum 0.16 µg/L), chrysene (maximum 0.21 µg/L) and indeno(1,2,3-cd)pyrene (maximum 0.13 µg/L) are present at concentrations greater than their respective GQSs. Five (5) dissolved metals including arsenic (maximum 468 µg/L), magnesium (maximum 82,900 µg/L), manganese (maximum 6,790 µg/L), selenium (maximum 17 µg/L), and sodium (maximum 454,000 µg/L) are present at concentrations greater than their respective GQS.

8. The soil vapor results collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor samples collected during the RI showed petroleum and chlorinated VOCs at generally low concentrations. The maximum total BTEX was 7 µg/m^3 for soil vapor samples, with a maximum of 20 µg/m^3 for the indoor sample. 1,1,1-trichloroethane (maximum of 9.9 µg/m^3), carbon tetrachloride (maximum 0.88 µg/m^3), and tetrachloroethene (maximum 10 µg/m^3) were detected in soil vapor below the monitoring level range of the State DOH soil vapor guidance matrices. Trichloroethene (maximum 6.9 ug/m^3) was detected at a level within the monitoring range of its NYSDOH soil vapor intrusion matrix. From the 2014 Phase II investigation, chlorinated VOCs were detected below NYSDOH monitoring level ranges. However, the maximum detection limits for carbon tetrachloride (35.3 ug/m^3) and trichloroethene (30.1 ug/m^3) were reported above their respective NYSDOH soil vapor intrusion monitoring level ranges. Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site.

1.0 SITE BACKGROUND

Largo Investments has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 4,937 square foot site located at 542-544 West 29th Street in the Chelsea section of Manhattan, New York. Residential use is proposed for the property. The RI work was performed on April 23, April 30, and May 7, 2016. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 542-544 West 29th Street in the Chelsea section in Manhattan, New York and is identified as Block 700 and Lot 57 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 4,937-square feet and is bounded by West 29th Street to the north, a 31 story residential building to the south, a three story mixed use commercial and residential building to the east, and a 2 story commercial building to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is occupied by a wholesale fish market and contains a two story building that is constructed slab on grade.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a ten-story residential building with a roof and bulkhead. The building will cover the entire footprint of the Site. A 3,248 square foot partial cellar will be excavated to 11 feet, 2 inches below grade, and construction of an elevator pit will require an additional 5 feet of excavation to a total depth of 15 feet, 2 inches below grade. The cellar footprint is irregularly shaped will be setback slightly on the western, southern and eastern portions of the site. The area outside of the cellar footprint will consist of slab on grade construction, and this area requires excavation sloping from 0 to 11 feet, 2 inches below grade to install support of excavation for the cellar. The cellar will be used for exercise rooms, storage and utility space. The first floor will be used for parking across the Site. It is anticipated that approximately 2,000 tons of soil will be excavated during the excavation of the Site. Limited dewatering is planned during excavation for the elevator pit and cellar. The layout of the

proposed site development is presented in **Figure 3**. The current zoning designation is C6-3. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The Subject Property is located on the south side of West 29th Street, between 11th Avenue to the west and 10th Avenue to the east, in the borough of Manhattan, New York. The borough of Manhattan is situated in the southwestern portion of New York City.

The vicinity of the Subject Property consists of commercial, industrial and residential properties. The Site is bordered by West 29th Street to the north, a 31 story residential building to the south, a three story mixed use commercial and residential building to the east, and a 2 story commercial building to the west. Sensitive receptors (such as schools, hospitals or day-care facilities) present within a 0.125-mile radius of the Site include a Bright Horizons daycare across West 29th Street. **Figure 2** shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon the review of a Phase I Environmental Site Assessment (ESA) report prepared by AEI Consultants in April 2014 and a second Phase I by Hydro Tech Environmental in June 2016. The following Site history was established. The Subject Property was developed prior to 1890 with two unspecified use buildings which were demolished between 1899 and 1911. The Subject Property was then used as a lumber yard. The existing building at the Site was constructed between 1930 and 1950, and served as an auto body shop from 1947 to 1998. In 1995, the Subject Property was changed to its current use for seafood storage and distribution.

2.2 Previous Investigations

Phase I Environmental Site Assessment for 542 West 29th Street by AEI Consultants in April, 2014

The Phase I Environmental Site Assessment identified the following RECs at the Subject Property

- The historic use of the Subject Property as an auto shop.
- The potential groundwater impact at the Subject Property due to the presence of closed spill #0307633 in the surrounding area of the Subject Property.

Phase II Environmental Site Assessment for 542 West 29th Street by PW Grosser Consulting, Inc. in May 2014.

Based on the findings of the AEI phase I ESA, PWCG conducted a Phase II investigation that included the collection and analysis of soil, groundwater, and soil vapor samples from throughout the Site. Five (5) soil borings were installed. No VOCs were detected at concentrations exceeding Unrestricted Use Soil Clean Up Objectives (SCOs) with the exception of acetone in two samples. Three (3) groundwater samples were obtained at the Site. One sample obtained from the southeast portion of the Site contained benzene and MTBE at concentrations exceeding their respective groundwater quality standards (GQS). PW Grosser concluded that based on the location of the sample, it is likely that the VOC impact in groundwater is related to an offsite source. PWGC collected three (3) soil vapor samples, three (3) indoor air samples and one (1) outdoor sample from the Site. It was indicated that there is no soil vapor intrusion condition at the Site. Based on the evaluation of the sub slab and indoor air samples compared to the NYSDOH matrix tables, the concentrations of trichloroethene and

carbon tetrachloride warranted “taking reasonable and practical measures to identify sources and reduce exposure.” The presence of VOCs in groundwater should be considered a REC.

2.3 Site Inspection

A site inspection was performed by Erica Johnston of Hydro Tech on April 23, 2016. The reconnaissance included a visual inspection of the Site. At the time of the inspection, the Site consisted of a two story commercial building used as a whole sale fish market. No evidence of underground storage tanks or aboveground storage tanks was observed. No evidence of stains, odors, or spills indicating contamination at the Site was encountered. The building slab was observed to be in good condition.

No other potential Recognized Environmental Conditions in connection with the subject site were identified. No additional information was provided with respect to the environmental integrity of the subject property that was not obtained from other sources over the course of this investigation.

2.4 Areas of Concern

Areas of Concern identified for the property include:

- The historic use of the Subject Property as an auto body shop and as a lumber yard;
- Presence of historic fill material to a depth of 8 feet below grade;
- The presence of VOCs in groundwater during May 2014 investigation;
- The presence of adjacent petroleum Spills that have may have impacted the groundwater.

The Previous Reports are presented in **Appendix A**. A map showing areas of concern is presented in **Figure 4.**

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mark E. Robbins.

3.2 Health and Safety

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

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Hydro Tech Environmental Corp. performed the following scope of work at the Site in April and May of 2016:

1. Conducted a Site inspection and performed a geophysical investigation to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed five soil borings across the entire project Site, and collected ten soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed two soil vapor probes and collected two samples for chemical analysis.
5. Collected one indoor air sample.

Photographs of the remedial investigation are provided as **Appendix B**.

4.1 Geophysical Investigation

A Ground Penetrating Radar (GPR) survey was performed at the Site to determine if any anomalies, including underground storage tanks (USTs), were present at the Site and to clear all sampling locations of any potential subsurface obstructions.

The GPR survey was performed utilizing a GSSI SIR-3000 Control Unit and a 400-megahertz shielded antenna. The GPR operator wheeled the antenna over the predetermined grid. The GPR takes one "scan" per set unit. The number of scans per unit is based upon the estimated sizes of targets. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The difference in amplitude obtained during each scan is graphically displayed on the Control Unit, which are then interpreted by the GPR operator at the time of the survey.

The GPR was performed across all accessible portions of the Site. No anomalies indicative of USTs were identified during the GPR survey. No concrete ceiling or concrete walls indicative

of a tank encasement were identified. A copy of the geophysical survey report describing the methodologies and findings is included in **Appendix C**.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of five soil probes, designated SP-1 through SP-5, were installed at the Site to depths ranging from 6 to 12 feet bgs. SP-1, SP-2, and SP-3 were installed in the proposed slab on grade area. SP-4 and SP-5 were installed in the proposed cellar footprint. Soil probes SP-1 and SP-2 were installed to 6 feet below grade. SP-3 through SP-5 were installed to 12 feet below grade.

All soil probes were installed utilizing a Geoprobe® fitted with Geoprobe® tooling and sampling equipment. Soil samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. The soil was screened and characterized at two-foot intervals. Continuous samples were collected during soil probe installation. Each Macro Core was cut open and immediately screened with a Photo Ionization Detector (PID) for VOCs, prior to collecting the required samples for laboratory analysis. The PID did not detect VOC concentrations above background levels.

Boring logs were prepared by a geologist and are attached in **Appendix D**. A map showing the location of soil borings is shown in **Figure 5**.

In general, the soil encountered consists of dark brown coarse-grained sand from zero to 12 feet below grade and fill material (pebbles, cement and brick) down to 8 feet below grade.

Groundwater Monitoring Well Construction

Three (3) groundwater monitoring wells were installed to determine water quality beneath the Site. The monitoring well was installed utilizing a Geoprobe® fitted with Geoprobe® tooling and sampling equipment. The monitoring wells were constructed of 1-inch diameter PVC. The total depths of the monitoring wells are 21 feet below grade. The screened interval of the well consists of 15 feet of 0.020-inch slot screen from approximately 5 feet above the groundwater level to 10 feet below the groundwater level. The monitoring well construction details are included in **Appendix E.** Monitoring well locations are shown in **Figure 5.**

Survey

A land survey was used to identify the location of all soil borings and monitor wells.

Water Level Measurement

Groundwater head measurements were collected utilizing a Solinst 122 Oil/Water Interface Probe (Interface Probe). The Interface Probe can measure depths to water to 0.01 inch. The depth to water was measured in the well from the northern portion of the casing top. All three of the monitoring wells were installed in the building slab at the Subject Property. Groundwater was encountered between 11.22 and 11.51 feet below the basement slab [double-check this] at the Site. The groundwater level data is included in **Table 1.**

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Ten (10) soil samples were collected from the soil-borings on-site for chemical analysis during this RI. Shallow soil samples were taken in each boring from zero to 2 feet, and deep soil samples were taken from 4 to 6 feet in borings SP-1 and SP-2 while soil samples were taken from 10 to 12 feet in borings SP-3 through SP-5. Samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners.

All samples were properly handled and placed into pre-cleaned and appropriately labeled laboratory supplied containers. One field blank sample was collected and submitted to the laboratory as specified in the work plan. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a New York State Department of Health ELAP-certified laboratory for

confirmatory laboratory analysis. All holding times were met. All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and Target Analyte List (TAL) metals. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Tables 2** to **5**. **Figure 5** shows the location of samples collected in this investigation.

Groundwater Sampling

Three (3) groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in **Tables 6** to **9**. Sampling logs with information on purging and sampling of groundwater monitor wells are included in **Appendix F**. **Figure 5** shows the location of groundwater monitoring wells. Laboratories and analytical methods are shown below.

Each groundwater sample was placed into 2 pre-cleaned 40 milliliter (mL) vials, 2 pre-cleaned 500 mL plastic containers and 2 pre-cleaned 1,000 mL jars and appropriately labeled. The groundwater sample from the monitoring well was analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270, Pesticides/PCBs via EPA Method 8081/8082, TAL Metals (filtered and non-filtered), Chromium Trivalent and Chromium Hexavalent.

Soil Vapor Sampling

Two (2) soil vapor probes were installed and 2 soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in **Figure 5**. Soil vapor sampling logs are included in **Appendix G**. Methodologies used for soil vapor assessment conform to the *NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Soil vapor probes SV-1 and SV-2 were installed to 6 feet below grade. **Figure 5** provides the location of soil vapor probes.

The soil vapor sampling points were installed utilizing similar technology to the soil probes (i.e. direct push). Each soil vapor sampling point consisted of a stainless steel screen or implant

fitted with inert tubing (e.g., polyethylene) of ¼ inch diameter and of laboratory quality to the surface.

Porous inert backfill material consisting of glass beads was used to create a sampling zone 1 to 2 feet in length. Soil vapor probes were then sealed above the sampling zone with bentonite slurry for a minimum distance of 3 feet to prevent outdoor air infiltration, and the remainder of the borehole was backfilled with clean material. The soil vapor probes were finished to grade with a hydrated bentonite seal at surface.

Dedicated tubing was used for each soil vapor probe. Soil vapor samples from each soil vapor probe were collected utilizing 6 liter pre-cleaned, passivated, evacuated whole air Summa Canisters. In order to insure the integrity of the borehole seal and to verify that ambient air was not inadvertently drawn into the sample, a tracer gas (helium) was applied to enrich the atmosphere in the immediate vicinity of the sampling location. A portable monitoring device MGD-2002 Helium-Hydrogen Lead Detector; Model 83-219, was utilized to analyze a real time sample of soil vapor from each soil vapor sampling point for the tracer prior to purging and after sampling. Plastic sheeting was used to keep the tracer gas in contact with the soil vapor point during the sampling. Helium detector readings did not exceed zero ppm, indicating Helium was not detected. Following verification that the surface seal was tight and prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

A 60-cm^3 plastic syringe was used to purge approximately 1 to 3 implant volumes (i.e. the volume of the sample probe and tube) prior to collecting the soil vapor samples. Each canister was then connected to a flow control valve set to collect the 6-L sample over a period of 6 hours at a rate of less than 0.2 liter per minute.

The Summa Canisters were calibrated for 2 hours and the soil vapor sampling was run on each canister for the duration of 2 hours. The initial vacuum (inches of mercury) and start time were recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and stop time were recorded. After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State and analyzed for VOCs via EPA TO-15.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Mark E. Robbins
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories.
Chemical Analytical Methods	Soil and Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in **Tables 2** through **10**. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendix H.**

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The Site is located in the western portion of Manhattan, New York. The elevation of the Site is approximately 12 feet above the mean sea level (USGS 7.5-Minute Central Park, New York New Jersey Quadrangle, 1995).

Stratigraphy

No outcroppings or refusals indicative of bedrock were observed at the Subject Property in any of the borings. Historic fill material mixed with coarse brown sand and pebbles was encountered to a depth of 12 feet below the Site.

Hydrogeology

A table of water level data for all monitor wells is included in **Table 1**. The average depth to groundwater below the building slab is 11.39 feet and the range in depth is 11.22 to 11.51 feet beneath the building slab. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in **Figure 6**. Groundwater flow is towards the south/southeast.

5.2 Soil Chemistry

Soil/fill samples collected during the RI were compared to NYSDEC Part 375-6 Unrestricted Use (Track 1) and Restricted Residential Use (Track 2) Soil Cleanup Objectives (SCOs). Soil/fill samples collected during the RI show no PCBs or Pesticides at concentrations exceeding their respective monitoring detection limits (MDLs). The samples show no VOCs are present at concentrations exceeding Part 375-6.8 Track 1 Unrestricted Soil Cleanup Objectives (SCOs). The VOCs 2-butanone, acetone, methylene chloride, naphthalene, and toluene are present at concentrations exceeding their respective MDLs, but below Unrestricted Use SCOs.

Six (6) Polycyclic Aromatic Hydrocarbon-range Semi-Volatile Organic Compounds (SVOCs) including benzo(a)anthracene (maximum 13.7 mg/kg), benzo(a)pyrene (maximum 5.32 mg/kg), benzo(b)fluoranthene (maximum 7.29 mg/kg), chrysene (maximum 12.3 mg/kg), dibenzo(a,h)anthracene (maximum 0.565 mg/kg), and indeno(1,2,3-cd)pyrene (maximum 2.17 mg/kg) 3.1 mg/kg) are present in the shallow soil samples at concentrations exceeding their respective Track 2 Restricted Residential SCOs. The SVOCs 1,2-dichlorobenzene (1.13 maximum mg/kg) and benzo(k)fluoranthene (maximum 3.49 mg/kg) are present in the shallow soil samples at concentrations exceeding their respective Unrestricted Use SCOs but less than Restricted Residential SCOs. Twenty one (21) SVOCs, specifically: acenaphthene,

acenaphthylene, aniline, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, carbazole, chrysene, dibenzo(a,h)anthracene, dibenzofuran, di-n-butyl phthalate, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene are present in the soil samples at concentrations less than their respective SCOs.

Five (5) metals, specifically: barium (maximum 587 mg/kg), cadmium (maximum 8.25 mg/kg), copper (maximum 6,370 mg/kg), lead (maximum 1,820 mg/kg), and mercury (maximum 7.39 mg/kg) are present in the shallow and deep samples at concentrations exceeding their respective Restricted Residential SCOs. Arsenic (maximum 15.2 mg/kg), hexavalent chromium (maximum 1.96 mg/kg), nickel (maximum 114 mg/kg), selenium (maximum 5.48 mg/kg), and zinc (maximum 2,120 mg/kg) are present in the shallow and deep samples at concentrations exceeding Unrestricted Use SCOs, but less than Restricted Residential Use SCOs.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site.

A summary table of data for chemical analyses performed on soil samples is included in **Tables 2** through **5**. **Figures 7** and **8** show the location and post the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Groundwater samples collected during the RI were compared to NYSDEC 6NYCRR Part 703.5 Groundwater Quality Standards (GQS). Groundwater samples collected during the RI show no VOCs, PCBs or Pesticides at concentrations exceeding Groundwater Quality Standards (GQSs). Although MTBE (11 µg/L) and benzene (max 1.4 µg/L) were detected in above GQS in 1 groundwater sample during the 2014 Phase II, no VOCs exceeded GQS in the most recent round of sampling. Fourteen (14) VOCs, specifically: 1,1-dichloroethane, 1,1-dichloroethylene, 1,2,4-trimethylbenzene, benzene, chloroform, chloromethane, cis-1,2-Dichloroethylene, methyl tert-butyl ether (MTBE), o-xylene, p- & m- xylenes, tetrachloroethylene, toluene, trans-1,2-dichloroethylene, trichloroethylene, and vinyl chloride are present at concentrations less than their respective GQSs. Six (6) SVOCs, specifically: benzo(a)anthracene (maximum 0.27 µg/L), benzo(a)pyrene (maximum 0.17 µg/L), benzo(b)fluoranthene (maximum 0.17 µg/L), benzo(k)fluoranthene (maximum 0.16 µg/L), chrysene (maximum 0.21 µg/L) and indeno(1,2,3-cd)pyrene (maximum 0.13 µg/L) are present at concentrations greater than their respective GSQs. Fifteen (15) SVOCs, specifically; acenaphthene, anthracene, benzo(a)anthracene,

benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene are present at concentrations less than their respective GSQs.

Five (5) dissolved metals including arsenic (maximum 468 µg/L), magnesium (maximum 82,900 µg/L), manganese (maximum 6,790 µg/L), selenium (maximum 17 µg/L), and sodium (maximum 454,000 µg/L) are present at concentrations greater than their respective GQS.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site.

A summary table of data for chemical analyses performed on groundwater samples is included in **Tables 6** through **9**. Exceedances of applicable groundwater standards are shown. **Figures 9** and **10** shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

The soil vapor results collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor samples collected during the RI showed petroleum and chlorinated VOCs at generally low concentrations. The maximum total petroleum VOCs was 7 µg/m^3 for soil vapor samples, with a maximum of 20 µg/m^3 for the indoor air sample. 1,1,1-trichloroethane (maximum of 9.9 µg/m^3), carbon tetrachloride (maximum 0.88 µg/m^3) and tetrachloroethene (maximum 10 µg/m^3) were detected in soil vapor below the monitoring level range of the State DOH soil vapor guidance matrix. Trichloroethene (maximum 6.9 µg/m^3) was detected at a level exceeding its respective NYSDOH soil vapor intrusion guideline. From the 2014 Phase II investigation, chlorinated VOCs were detected below NYSDOH monitoring level ranges. Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in **Table 10**. **Figure 11** shows the location and posts the values for soil vapor samples with detected concentrations.

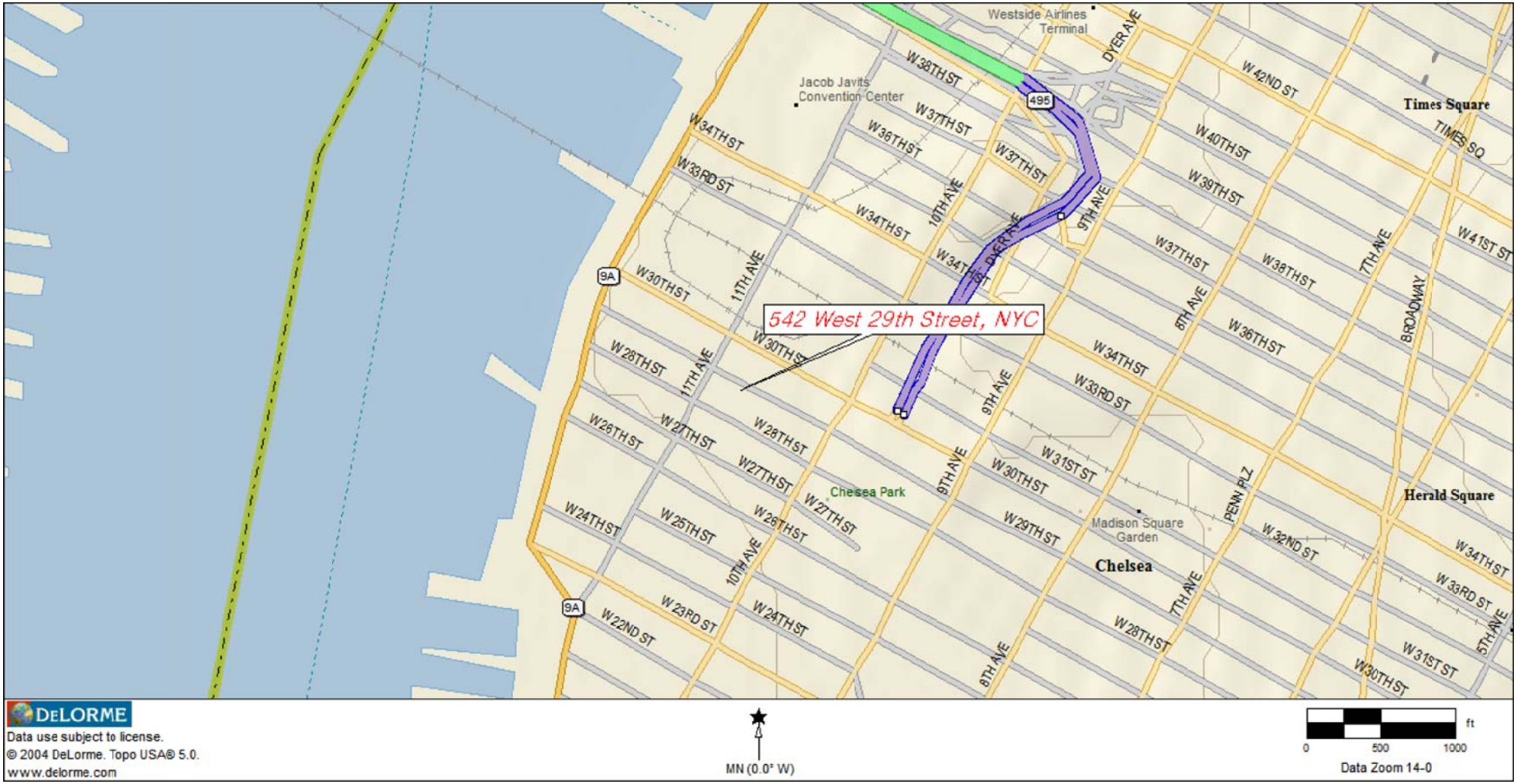
5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

FIGURES



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NYC OFFICE
15 Ocean Avenue, 2nd Floor
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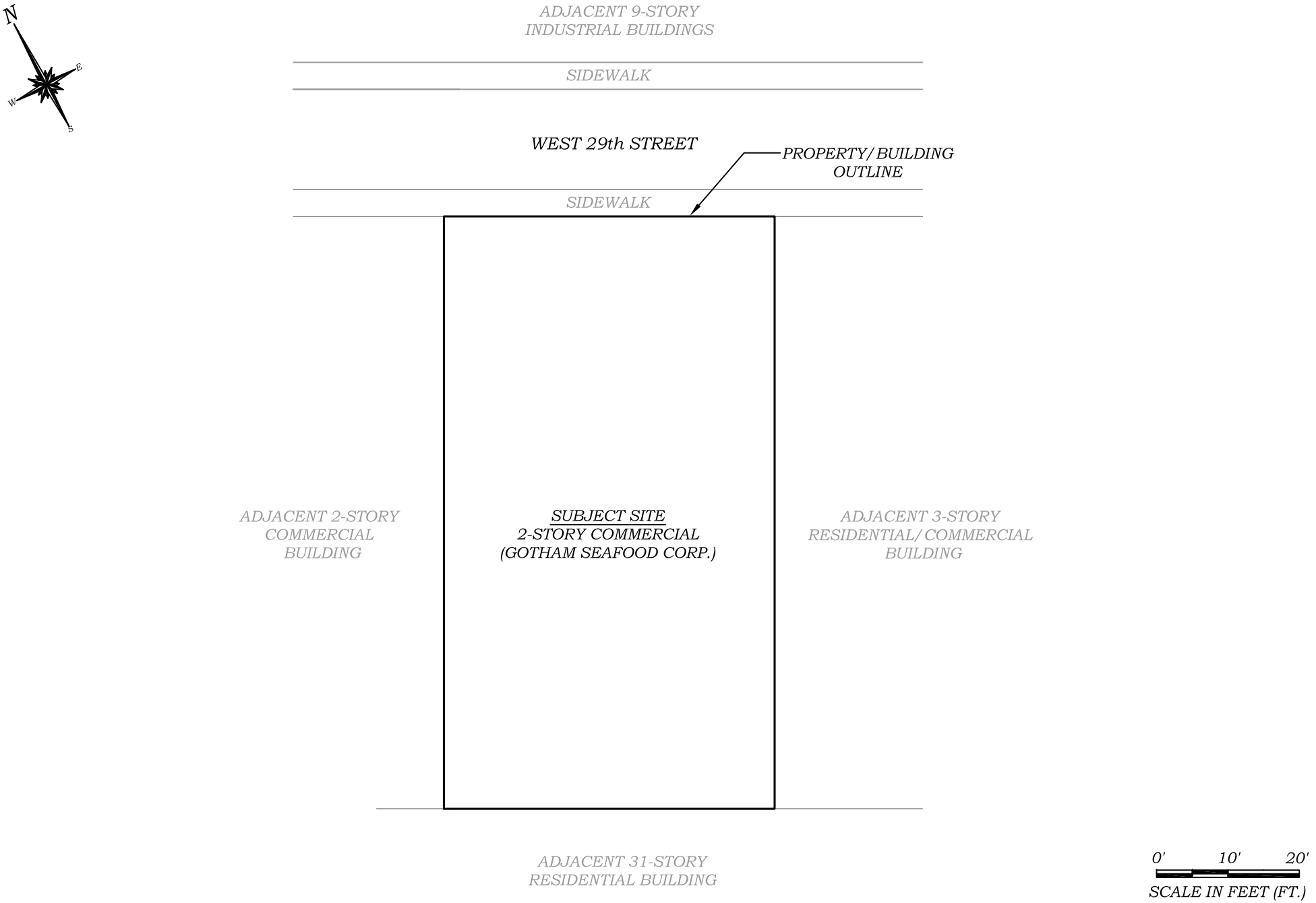
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FIGURE 1: SITE LOCATION MAP



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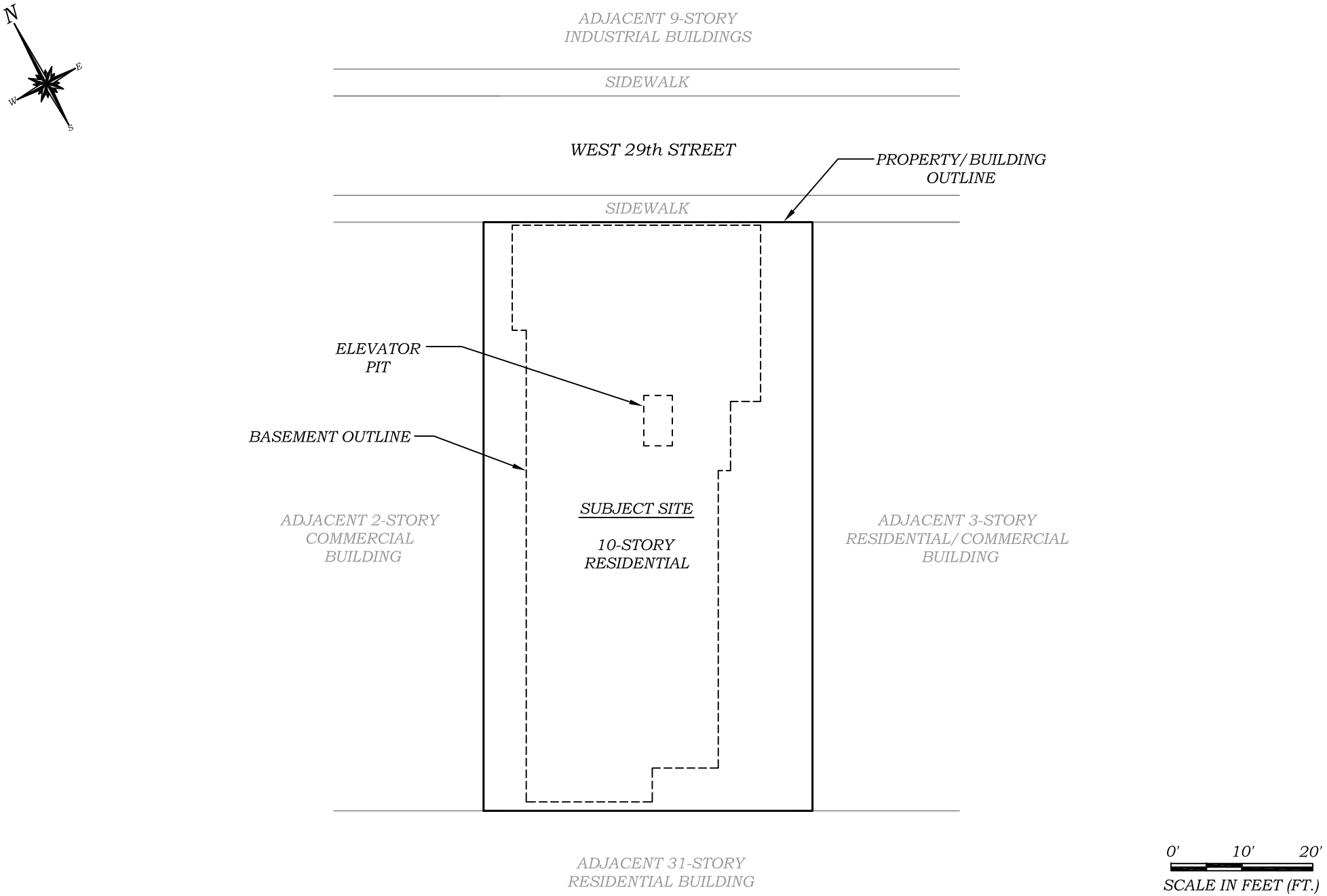
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FIGURE 2: SITE BOUNDARY MAP



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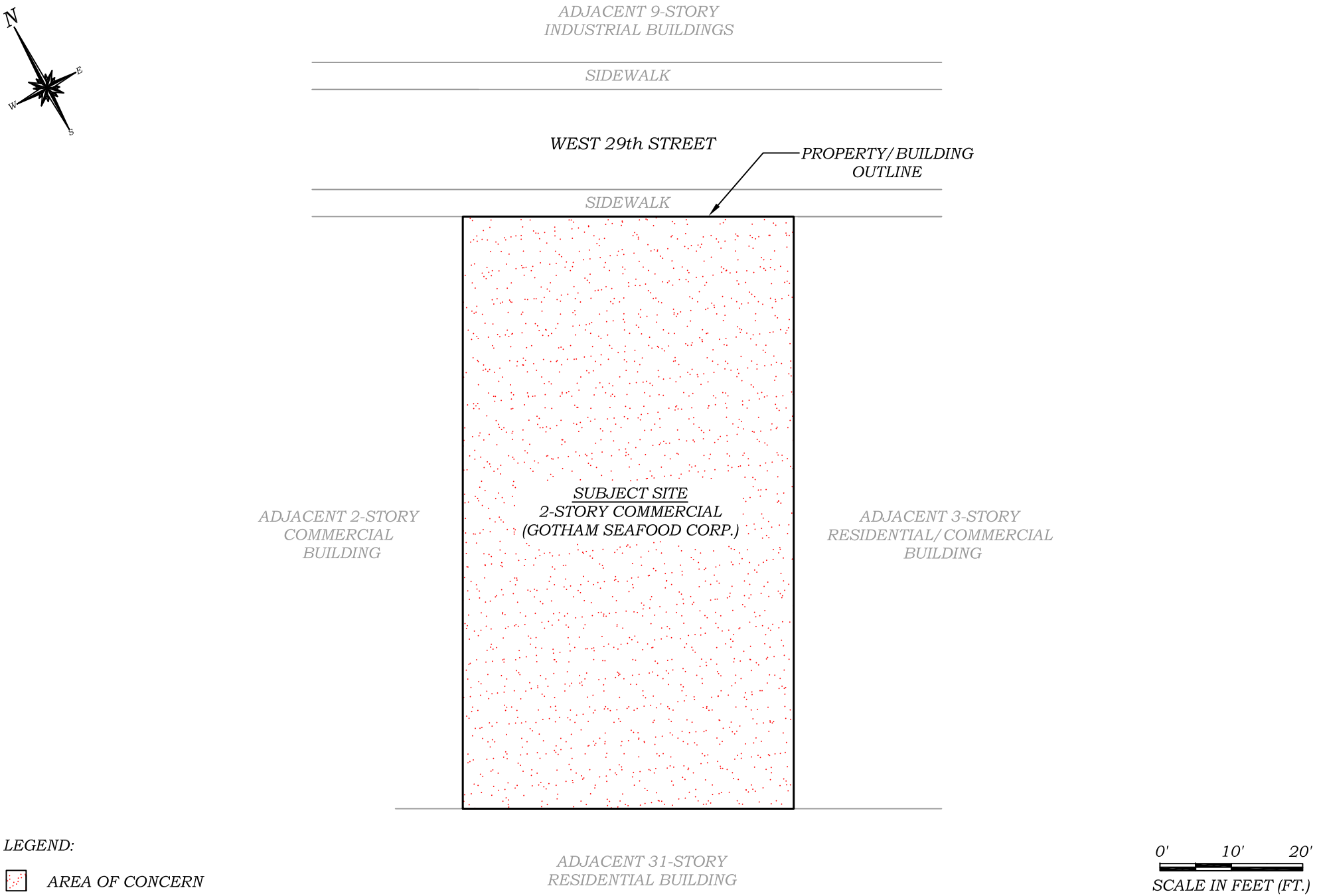
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FIGURE 3: PROPOSED REDEVELOPMENT PLAN



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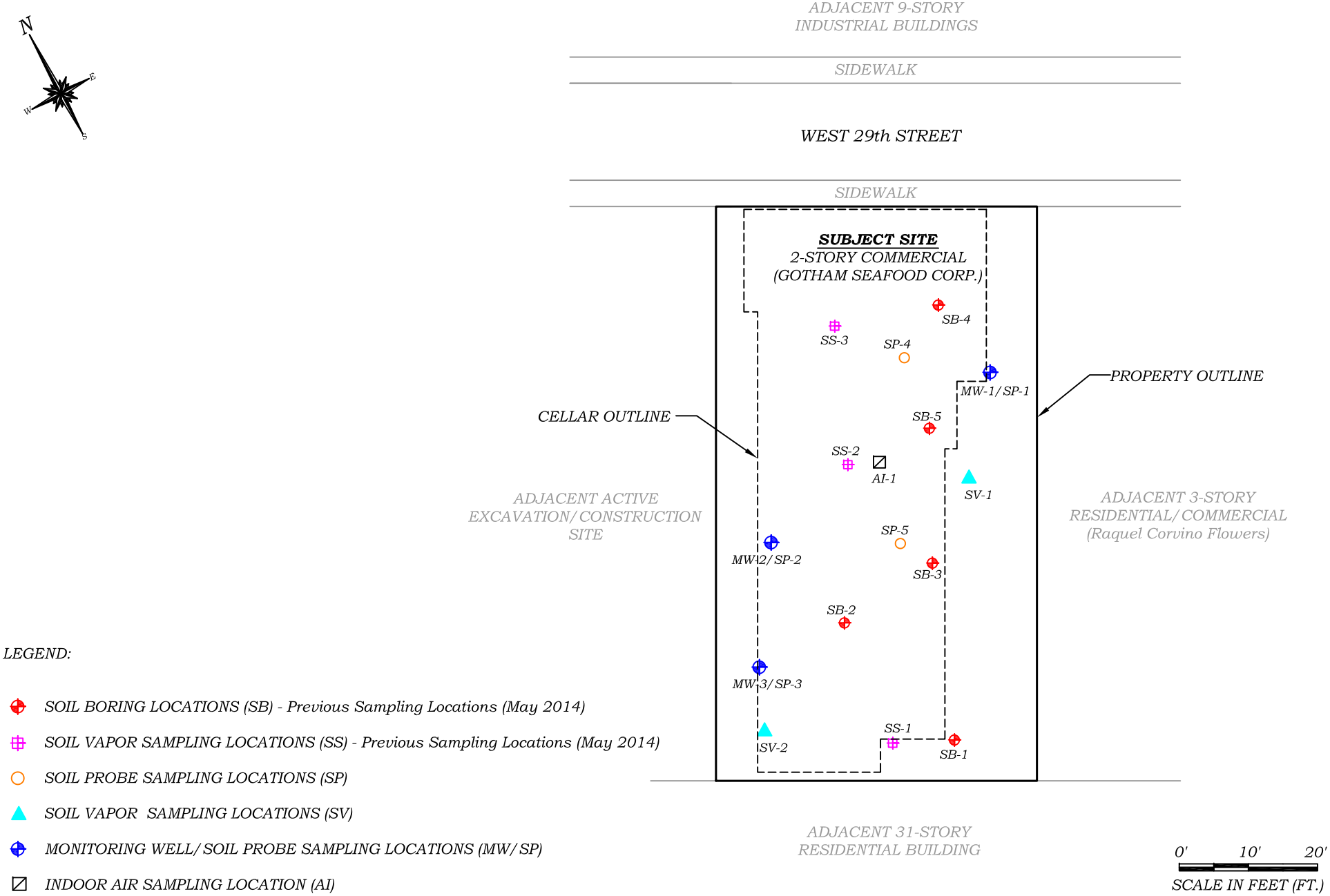
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FIGURE 4: AREA OF CONCERN DIAGRAM



LEGEND:

- *SOIL BORING LOCATIONS (SB) - Previous Sampling Locations (May 2014)*
- *SOIL VAPOR SAMPLING LOCATIONS (SS) - Previous Sampling Locations (May 2014)*
- *SOIL PROBE SAMPLING LOCATIONS (SP)*
- *SOIL VAPOR SAMPLING LOCATIONS (SV)*
- *MONITORING WELL/SOIL PROBE SAMPLING LOCATIONS (MW/SP)*
- *INDOOR AIR SAMPLING LOCATION (AI)*

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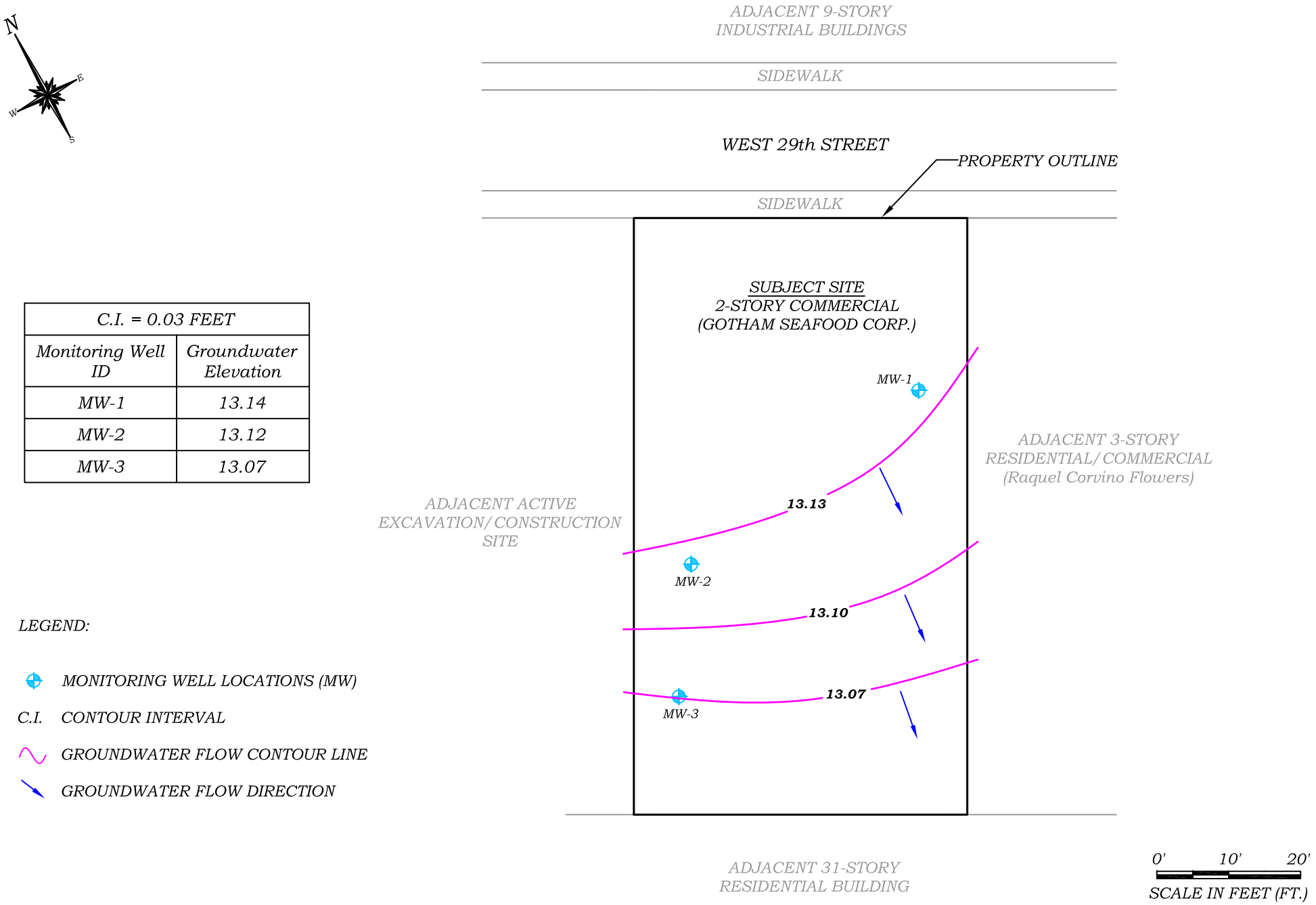
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FIGURE 5: SAMPLING PLAN



C.I. = 0.03 FEET	
Monitoring Well ID	Groundwater Elevation
MW-1	13.14
MW-2	13.12
MW-3	13.07

LEGEND:

- MONITORING WELL LOCATIONS (MW)
- C.I. CONTOUR INTERVAL
- GROUNDWATER FLOW CONTOUR LINE
- GROUNDWATER FLOW DIRECTION

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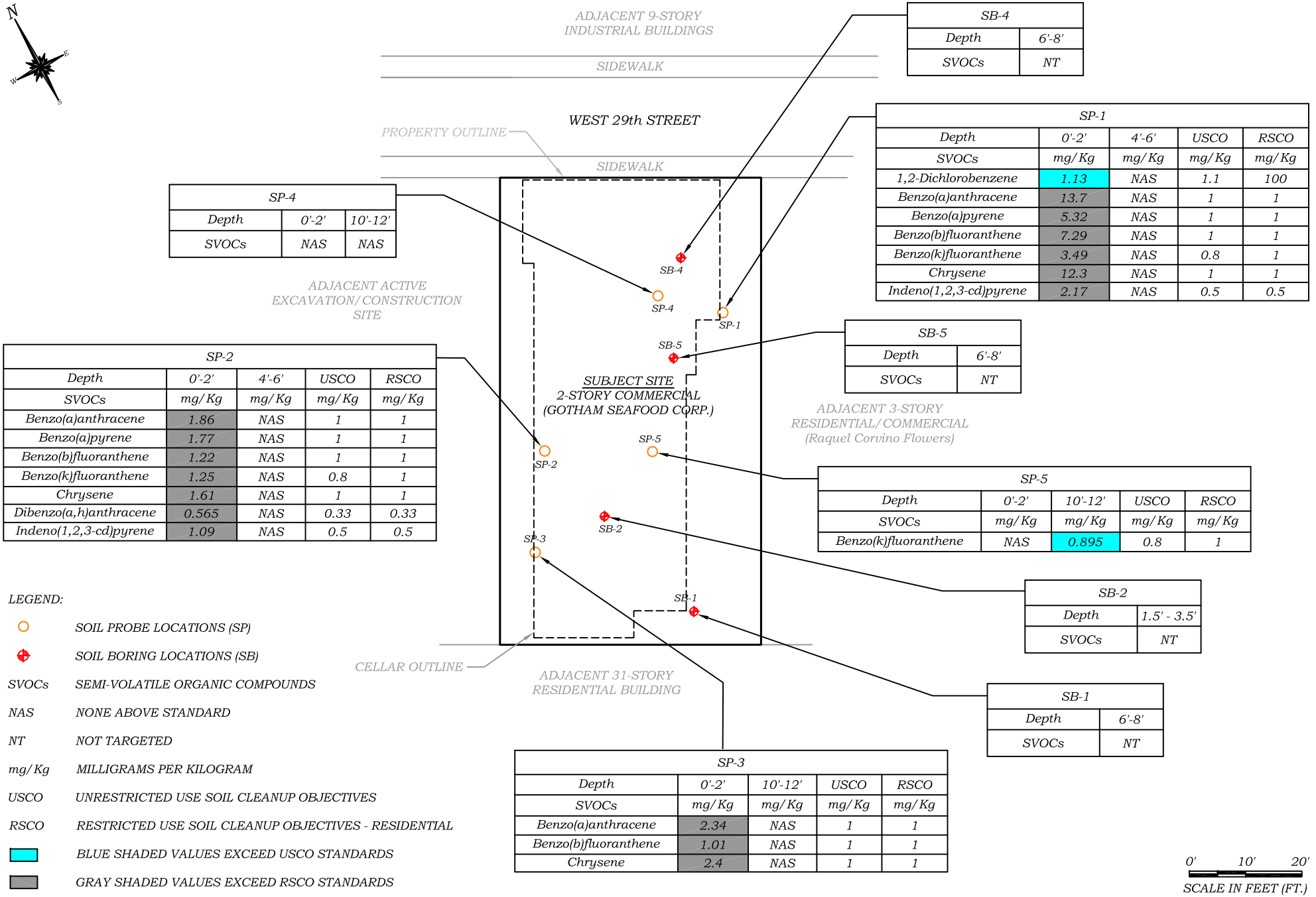
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FIGURE 6: GROUNDWATER FLOW CONTOUR MAP



SB-4	
Depth	6'-8'
SVOCs	NT

SP-1				
Depth	0'-2'	4'-6'	USCO	RSCO
SVOCs	mg/Kg	mg/Kg	mg/Kg	mg/Kg
1,2-Dichlorobenzene	1.13	NAS	1.1	100
Benzo(a)anthracene	13.7	NAS	1	1
Benzo(a)pyrene	5.32	NAS	1	1
Benzo(b)fluoranthene	7.29	NAS	1	1
Benzo(k)fluoranthene	3.49	NAS	0.8	1
Chrysene	12.3	NAS	1	1
Indeno(1,2,3-cd)pyrene	2.17	NAS	0.5	0.5

SP-4		
Depth	0'-2'	10'-12'
SVOCs	NAS	NAS

SB-5	
Depth	6'-8'
SVOCs	NT

SP-2				
Depth	0'-2'	4'-6'	USCO	RSCO
SVOCs	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzo(a)anthracene	1.86	NAS	1	1
Benzo(a)pyrene	1.77	NAS	1	1
Benzo(b)fluoranthene	1.22	NAS	1	1
Benzo(k)fluoranthene	1.25	NAS	0.8	1
Chrysene	1.61	NAS	1	1
Dibenzo(a,h)anthracene	0.565	NAS	0.33	0.33
Indeno(1,2,3-cd)pyrene	1.09	NAS	0.5	0.5

SP-5				
Depth	0'-2'	10'-12'	USCO	RSCO
SVOCs	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzo(k)fluoranthene	NAS	0.895	0.8	1

SB-2	
Depth	1.5' - 3.5'
SVOCs	NT

SB-1	
Depth	6'-8'
SVOCs	NT

SP-3				
Depth	0'-2'	10'-12'	USCO	RSCO
SVOCs	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzo(a)anthracene	2.34	NAS	1	1
Benzo(b)fluoranthene	1.01	NAS	1	1
Chrysene	2.4	NAS	1	1

LEGEND:

- SOIL PROBE LOCATIONS (SP)
- SOIL BORING LOCATIONS (SB)
- SVOCs — SEMI-VOLATILE ORGANIC COMPOUNDS
- NAS — NONE ABOVE STANDARD
- NT — NOT TARGETED
- mg/Kg — MILLIGRAMS PER KILOGRAM
- USCO — UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO — RESTRICTED USE SOIL CLEANUP OBJECTIVES - RESIDENTIAL
- BLUE SHADED VALUES EXCEED USCO STANDARDS
- GRAY SHADED VALUES EXCEED RSCO STANDARDS

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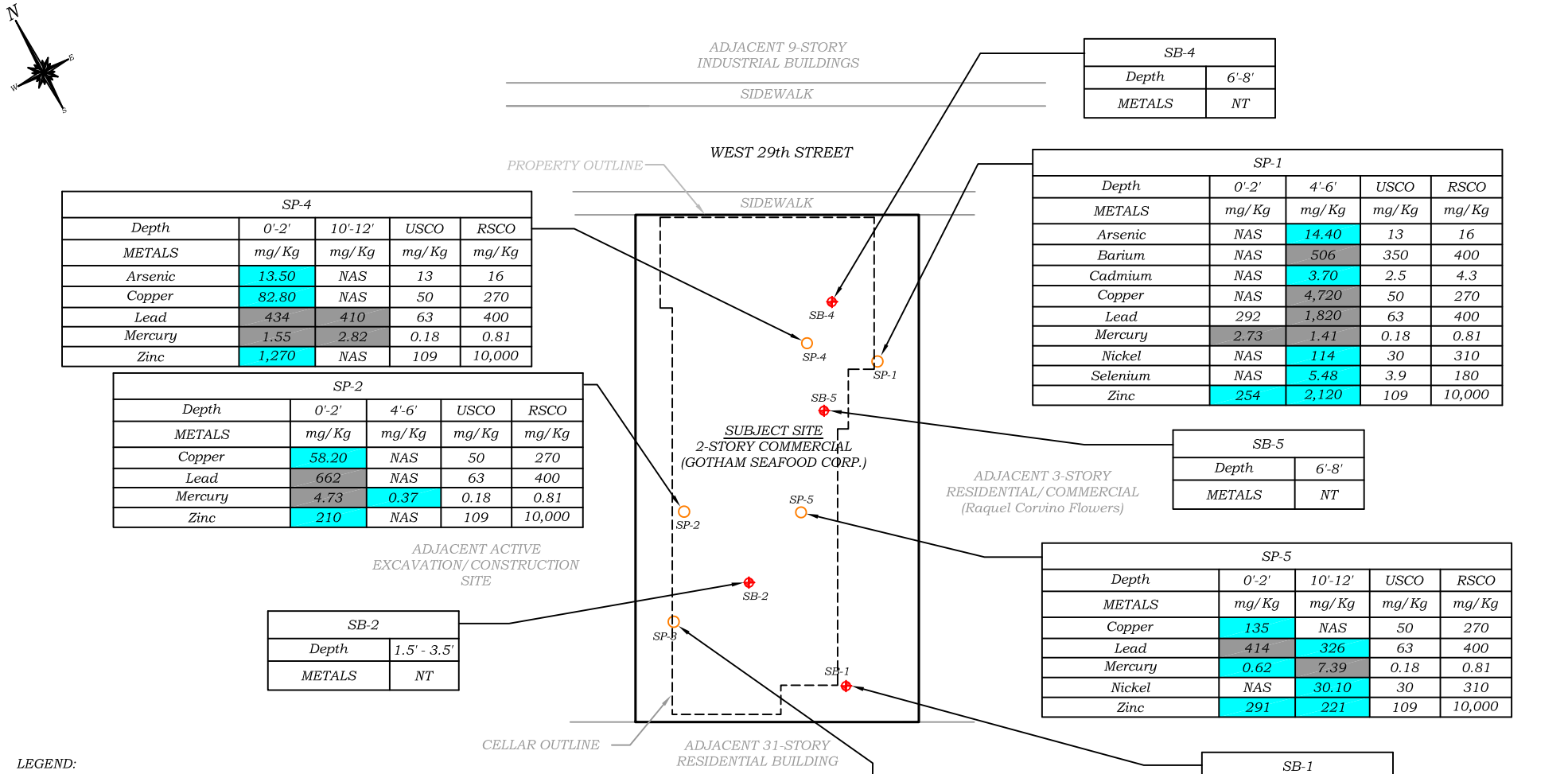
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FIGURE 7: DIAGRAM OF SVOCs IN SOIL



SB-4	
Depth	6'-8'
METALS	NT

SP-4				
Depth	0'-2'	10'-12'	USCO	RSCO
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	13.50	NAS	13	16
Copper	82.80	NAS	50	270
Lead	434	410	63	400
Mercury	1.55	2.82	0.18	0.81
Zinc	1,270	NAS	109	10,000

SP-1				
Depth	0'-2'	4'-6'	USCO	RSCO
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	NAS	14.40	13	16
Barium	NAS	506	350	400
Cadmium	NAS	3.70	2.5	4.3
Copper	NAS	4,720	50	270
Lead	292	1,820	63	400
Mercury	2.73	1.41	0.18	0.81
Nickel	NAS	114	30	310
Selenium	NAS	5.48	3.9	180
Zinc	254	2,120	109	10,000

SP-2				
Depth	0'-2'	4'-6'	USCO	RSCO
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Copper	58.20	NAS	50	270
Lead	662	NAS	63	400
Mercury	4.73	0.37	0.18	0.81
Zinc	210	NAS	109	10,000

SB-5	
Depth	6'-8'
METALS	NT

SP-5				
Depth	0'-2'	10'-12'	USCO	RSCO
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Copper	135	NAS	50	270
Lead	414	326	63	400
Mercury	0.62	7.39	0.18	0.81
Nickel	NAS	30.10	30	310
Zinc	291	221	109	10,000

SB-2	
Depth	1.5' - 3.5'
METALS	NT

SB-1	
Depth	6'-8'
METALS	NT

SP-3				
Depth	0'-2'	10'-12'	USCO	RSCO
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	15.20	NAS	13	16
Barium	587	NAS	350	400
Cadmium	8.25	NAS	2.5	4.3
Chromium, Hexavalent	NAS	1.96	1	110
Copper	6,370	NAS	50	270
Lead	1,180	NAS	63	400
Mercury	2.31	NAS	0.18	0.81
Zinc	1,990	NAS	109	10,000

LEGEND:

- ○ SOIL PROBE LOCATIONS (SP)
- ⊕ SOIL BORING LOCATIONS (SB)
- NAS NONE ABOVE STANDARD
- NT NOT TARGETED
- mg/Kg MILLIGRAMS PER KILOGRAM
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED USE SOIL CLEANUP OBJECTIVES - RESIDENTIAL
- BLUE SHADED VALUES EXCEED USCO STANDARDS
- GRAY SHADED VALUES EXCEED RSCO STANDARDS

0' 10' 20'
SCALE IN FEET (FT.)

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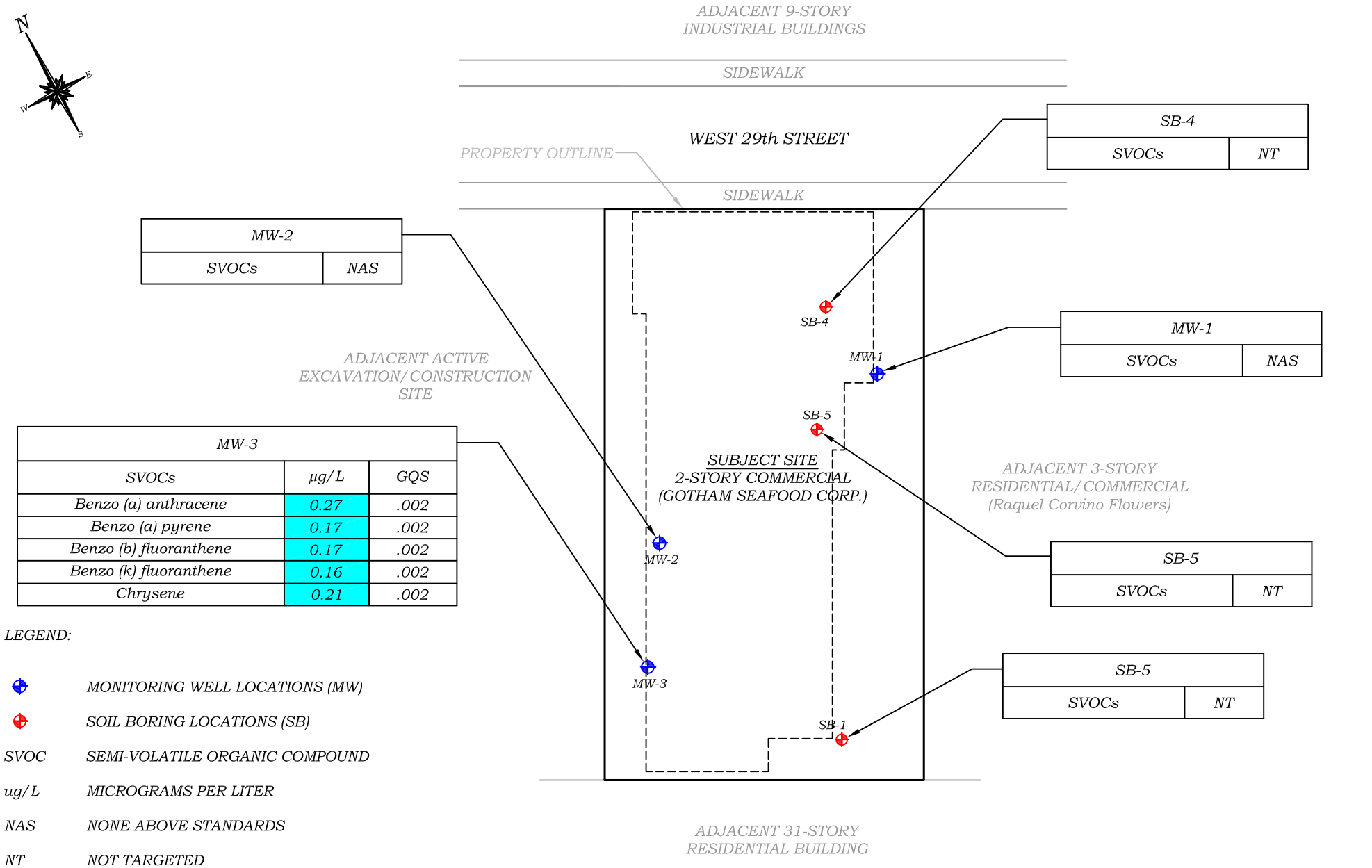
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FIGURE 8: DIAGRAM OF METALS IN SOIL



MW-3		
SVOCs	µg/L	GQS
Benzo (a) anthracene	0.27	.002
Benzo (a) pyrene	0.17	.002
Benzo (b) fluoranthene	0.17	.002
Benzo (k) fluoranthene	0.16	.002
Chrysene	0.21	.002

LEGEND:

	MONITORING WELL LOCATIONS (MW)
	SOIL BORING LOCATIONS (SB)
SVOC	SEMI-VOLATILE ORGANIC COMPOUND
ug/L	MICROGRAMS PER LITER
NAS	NONE ABOVE STANDARDS
NT	NOT TARGETED
GQS	GROUNDWATER QUALITY STANDARDS
	BLUE SHADED VALUES EXCEED GQS

0' 10' 20'

SCALE IN FEET (FT.)

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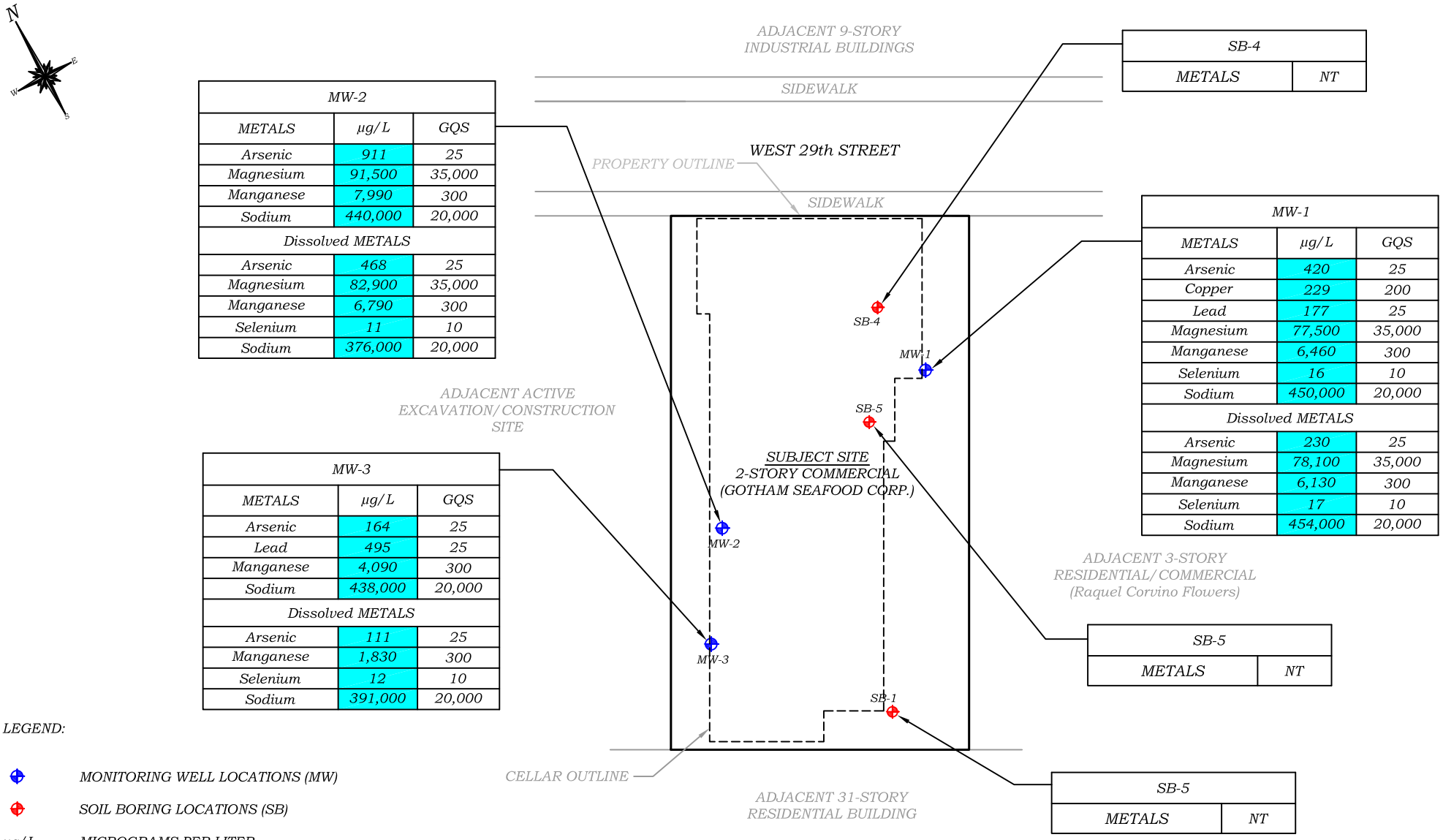
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FIGURE 9: DIAGRAM OF SVOCs IN GROUNDWATER



MW-2		
METALS	µg/L	GQS
Arsenic	911	25
Magnesium	91,500	35,000
Manganese	7,990	300
Sodium	440,000	20,000
Dissolved METALS		
Arsenic	468	25
Magnesium	82,900	35,000
Manganese	6,790	300
Selenium	11	10
Sodium	376,000	20,000

SB-4	
METALS	NT

MW-1		
METALS	µg/L	GQS
Arsenic	420	25
Copper	229	200
Lead	177	25
Magnesium	77,500	35,000
Manganese	6,460	300
Selenium	16	10
Sodium	450,000	20,000
Dissolved METALS		
Arsenic	230	25
Magnesium	78,100	35,000
Manganese	6,130	300
Selenium	17	10
Sodium	454,000	20,000

MW-3		
METALS	µg/L	GQS
Arsenic	164	25
Lead	495	25
Manganese	4,090	300
Sodium	438,000	20,000
Dissolved METALS		
Arsenic	111	25
Manganese	1,830	300
Selenium	12	10
Sodium	391,000	20,000

SB-5	
METALS	NT

SB-5	
METALS	NT

LEGEND:

- MONITORING WELL LOCATIONS (MW)
- SOIL BORING LOCATIONS (SB)
- ug/L — MICROGRAMS PER LITER
- NAS — NONE ABOVE STANDARDS
- NT — NOT TARGETED
- GQS — GROUNDWATER QUALITY STANDARDS
- BLUE SHADED VALUES EXCEED GQS

0' 10' 20'

SCALE IN FEET (FT.)

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Hauppauge, NY 11788
T (631)462-5866 F (631)462-5877

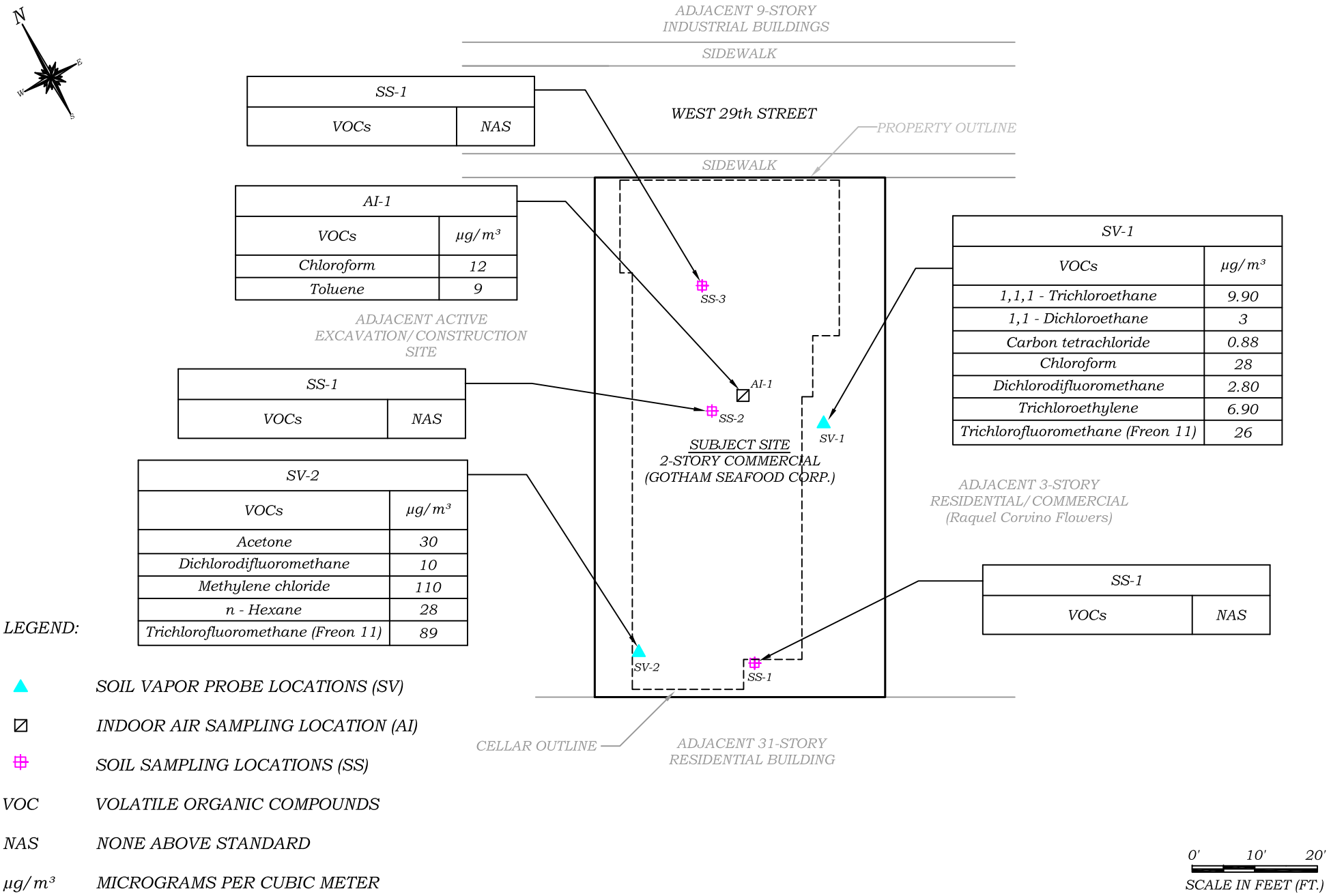
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542 West 29th Street
New York, NY.
HTE#160094

Drawn By: P.M.
Reviewed By: A.N.
Approved By: M.R.
Date: 1/22/18
Scale: AS NOTED

TITLE:

FIGURE 10: DIAGRAM OF METALS IN GROUNDWATER



Hydro Tech Environmental
Engineering and Geology, DPC
NYC OFFICE
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718)636-0800 F (718)636-0900
LI OFFICE
77 Arkay Drive, Suite G
Hauppauge, NY 11788
T (631)462-5866 F (631)462-5877
WWW.HYDROTECHENVIRONMENTAL.COM

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FIGURE 11: DIAGRAM OF CONTAMINATION IN SOIL VAPOR

TABLES

Table 1

Groundwater Monitoring Data - May 2016

542 West 29th Street, NYC

Well ID	DTP	DTW	Water Table Elevation (ft)
MW-1	ND	11.44	13.14
MW-2	ND	11.22	13.12
MW-3	ND	11.51	13.07

All values reported in feet.

DTW…Depth to Water

DTP…Depth to Product

ND…None Detected

Table 2
Soil Samples Analytical Results for VOCs
542-544 West 29th Street, New York, NY

Sample ID	SB-1 (6-8)		SB-2 (1.5- 3.5)		SB-4 (6-8)		SB-5 (6-8)		SP-1 (0-2)		SP-1 (4-6)		SP-2 (0-2)		SP-2 (4-6)		SP-3 (0-2)		SP-3 (10-12)		SP-4 (0-2)		SP-4 (10-12)		SP-5 (0-2)		SP-5 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/14/2014		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/23/2016		4/23/2016		4/23/2016		4/23/2016				
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil				
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result				
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,1,1-Trichloroethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.68	100	100
1,1,2,2-Tetrachloroethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NT		NT		NT		NT		<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,1,2-Trichloroethane	<0.0018	U	<0.002	U	<0.0028	U	<0.0028	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,1-Dichloroethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.27	19	26
1,1-Dichloroethylene	NT		NT		NT		NT		<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.33	100	100
1,1-Dichloropropylene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,2,3-Trichlorobenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,2,3-Trichloropropane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,2,4-Trichlorobenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,2,4-Trimethylbenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	3.6	47	52
1,2-Dibromo-3-chloropropane	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,2-Dibromoethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,2-Dichlorobenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	1.1	100	100
1,2-Dichloroethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.02	2.3	3.1
1,2-Dichloropropane	<0.0043	U	<0.0047	U	<0.0065	U	<0.0064	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,3,5-Trimethylbenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	8.4	47	52
1,3-Dichlorobenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	2.4	17	49
1,3-Dichloropropane	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
1,4-Dichlorobenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	1.8	9.8	13
1,4-Dioxane	<0.12	U	<0.13	U	<0.18	U	<0.18	U	<0.054	U	<0.057	U	<0.055	U	<0.046	U	<0.08	U	<0.051	U	<0.075	U	<0.048	U	<0.051	U	<0.044	U	0.1	9.8	13
2,2-Dichloropropane	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
2-Butanone	<0.012	U	**0.0036**	**J**	<0.018	U	<0.018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	**0.0053**		<0.0022	U	0.12	100	100
2-Chlorotoluene	NT		NT		NT		NT		<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
4-Chlorotoluene	NT		NT		NT		NT		<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Acetone	**0.011**	**J**	**74**		**0.024**		**0.066**		**0.0077**	**J**	**0.0074**	**J**	**0.018**		<0.0046	U	<0.008	U	<0.0051	U	**0.028**		**0.0070**	**J**	**0.038**		<0.0044	U	0.05	100	100
Benzene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.06	2.9	4.8
Bromobenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Bromochloromethane	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Bromodichloromethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Bromoform	<0.0046	U	<0.0053	U	<0.0074	U	<0.0074	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Bromomethane	<0.0025	U	<0.0027	U	<0.0037	U	<0.0037	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Carbon tetrachloride	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.76	1.4	2.4
Chlorobenzene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	1.1	100	100
Chloroethane	<0.0025	U	<0.0027	U	<0.0037	U	<0.0037	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Chloroform	<0.0018	U	<0.002	U	**0.0013**	**J**	<0.0028	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.37	10	49
Chloromethane	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
cis-1,2-Dichloroethylene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.25	59	100
cis-1,3-Dichloropropylene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Dibromochloromethane	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Dibromomethane	<0.012	U	<0.013	U	<0.018	U	<0.018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Dichlorodifluoromethane	<0.012	U	**0.13**		<0.018	U	<0.018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Ethyl Benzene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	1	30	41
Hexachlorobutadiene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Isopropylbenzene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Methyl tert-butyl ether (MTBE)	<0.0025	U	<0.0027	U	<0.0037	U	<0.0037	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.93	62	100
Methylene chloride	**0.0028**	**J**	**0.0032**	**J**	**0.004**		**0.0068**	**J**	**0.021**	**B**	**0.018**	**B**	**0.048**	**B**	<0.0046	U	<0.008	U	<0.0051	U	<0.0075	U	<0.0048	U	<0.0051	U	<0.0044	U	0.05	51	100
Naphthalene	NT		NT		NT		NT		**0.0074**	**JB**	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	12	100	100
n-Butylbenzene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	12	100	100
n-Propylbenzene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	3.9	100	100
o-Xylene	<0.0025	U	<0.0027	U	<0.0037	U	<0.0037	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
p- & m- Xylenes	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0054	U	<0.0057	U	<0.0055	U	<0.0046	U	<0.008	U	<0.0051	U	<0.0075	U	<0.0048	U	<0.0051	U	<0.0044	U	NS	NS	NS
p-Isopropyltoluene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
sec-Butylbenzene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	11	100	100
Styrene	<0.0025	U	<0.0027	U	<0.0037	U	<0.0037	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
tert-Butylbenzene	<0.0062	U	<0.0067	U	<0.0093	U	<0.0092	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	5.9	100	100
Tetrachloroethylene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	1.3	5.5	19
Toluene	<0.0018	U	<0.002	U	<0.0028	U	<0.0028	U	<0.0027	U	<0.0029	U	<0.0027	U	**0.0032**	**J**	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.7	100	100
trans-1,2-Dichloroethylene	<0.0018	U	<0.002	U	<0.0028	U	<0.0028	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.19	100	100
trans-1,3-Dichloropropylene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Trichloroethylene	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.47	10	21
Trichlorofluoromethane	<0.0062	U	**0.0071**		<0.0093	U	<0.0093	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Vinyl acetate	<0.0012	U	<0.0013	U	<0.0018	U	<0.0018	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	NS	NS	NS
Vinyl Chloride	<0.0025	U	<0.0027	U	<0.0037	U	<0.0037	U	<0.0027	U	<0.0029	U	<0.0027	U	<0.0023	U	<0.004	U	<0.0026	U	<0.0038	U	<0.0024	U	<0.0026	U	<0.0022	U	0.02	0.21	0.9
Total VOC's	0.0138		74.1439		0.0293		0.0728		0.0361		0.0254		0.0660		0.0032		ND		ND		0.0280		0.0070		0.0433		ND		NS	NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 3

Soil Samples Analytical Results for SVOCs

542-544 West 29th Street, New York, NY

Sample ID	SB-1 (6-8)		SB-2 (1.5- 3.5)		SB-4 (6-8)		SB-5 (6-8)		SP-1 (0-2)		SP-1 (4-6)		SP-2 (0-2)		SP-2 (4-6)		SP-3 (0-2)		SP-3 (10-12)		SP-4 (0-2)		SP-4 (10-12)		SP-5 (0-2)		SP-5 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/14/2014		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/23/2016		4/23/2016		4/23/2016		4/23/2016					
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil					
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result					
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg	mg/Kg
1,2,4-Trichlorobenzene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
1,2-Dichlorobenzene	NT		NT		NT		NT		**1.13**	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	1.1	100	100
1,3-Dichlorobenzene	NT		NT		NT		NT		1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	2.4	17	49
1,4-Dichlorobenzene	NT		NT		NT		NT		1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	1.8	9.8	13
2,4,5-Trichlorophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2,4,6-Trichlorophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2,4-Dichlorophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2,4-Dimethylphenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2,4-Dinitrophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0948	U	<0.0954	U	<0.0888	U	<0.093	U	NS	NS	NS
2,4-Dinitrotoluene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2,6-Dinitrotoluene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2-Chloronaphthalene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2-Chlorophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2-Methylnaphthalene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2-Methylphenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
2-Nitroaniline	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0948	U	<0.0954	U	<0.0888	U	<0.093	U	NS	NS	NS
2-Nitrophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
3- & 4-Methylphenols	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
3,3'-Dichlorobenzidine	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
3-Nitroaniline	NT		NT		NT		NT		<2.26	U	<0.0951	U	<0.0913	U	<0.0945	U	<0.094	U	<0.0887	U	<0.0948	U	<0.0954	U	<0.0888	U	<0.093	U	NS	NS	NS
4,6-Dinitro-2-methylphenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0948	U	<0.0954	U	<0.0888	U	<0.093	U	NS	NS	NS
4-Bromophenyl phenyl ether	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
4-Chloro-3-methylphenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
4-Chloroaniline	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
4-Chlorophenyl phenyl ether	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
4-Nitroaniline	NT		NT		NT		NT		<2.26	U	<0.0951	U	<0.0913	U	<0.0945	U	<0.094	U	<0.0887	U	<0.0948	U	<0.0954	U	<0.0888	U	<0.093	U	NS	NS	NS
4-Nitrophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0948	U	<0.0954	U	<0.0888	U	<0.093	U	NS	NS	NS
Acenaphthene	NT		NT		NT		NT		**2.71**	D	<0.0477	U	**0.463**	D	<0.0473	U	**0.16**	D	<0.0445	U	<0.0475	U	**0.0625**	JD	<0.0445	U	**0.0625**	JD	20	100	100
Acenaphthylene	NT		NT		NT		NT		<1.13	U	<0.0477	U	**0.0854**	JD	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	100	100	100
Aniline	NT		NT		NT		NT		<4.53	U	<0.191	U	**0.183**	U	<0.189	U	<0.188	U	<0.178	U	<0.19	U	<0.191	U	<0.178	U	<0.186	U	NS	NS	NS
Anthracene	NT		NT		NT		NT		**6.84**	D	<0.0477	U	**0.925**	D	<0.0473	U	**0.537**	D	<0.0445	U	**0.0614**	JD	**0.254**	D	**0.0717**	JD	**0.349**	D	100	100	100
Benzo(a)anthracene	NT		NT		NT		NT		**13.7**	D	**0.0974**	D	**1.86**	D	**0.0725**	JD	**2.34**	D	**0.0745**	JD	**0.249**	D	**0.792**	D	**0.248**	D	**0.707**	D	1	1	1
Benzo(a)pyrene	NT		NT		NT		NT		**5.32**	D	**0.0753**	JD	**1.77**	D	**0.0672**	JD	**0.822**	D	<0.0445	U	**0.205**	D	**0.561**	D	**0.312**	D	**0.519**	D	1	1	1
Benzo(b)fluoranthene	NT		NT		NT		NT		**7.29**	D	**0.057**	JD	**1.22**	D	**0.0634**	JD	**1.01**	D	<0.0445	U	**0.218**	D	**0.378**	D	**0.303**	D	**0.59**	D	1	1	1
Benzo(g,h,i)perylene	NT		NT		NT		NT		**1.76**	JD	**0.115**	D	**1.16**	D	**0.0627**	JD	**0.383**	D	<0.0445	U	**0.0765**	JD	**0.192**	D	**0.153**	D	**0.522**	D	100	100	100
Benzo(k)fluoranthene	NT		NT		NT		NT		**3.49**	D	**0.0646**	JD	**1.25**	D	**0.0551**	JD	**0.749**	D	<0.0445	U	**0.176**	D	**0.437**	D	**0.278**	D	**0.895**	D	0.8	1	3.9
Benzyl alcohol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Benzyl butyl phthalate	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	**3.25**	D	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Bis(2-chloroethoxy)methane	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Bis(2-chloroethyl)ether	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Bis(2-chloroisopropyl)ether	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Bis(2-ethylhexyl)phthalate	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	**0.232**	D	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Carbazole	NT		NT		NT		NT		**9.81**	D	<0.0477	U	**0.369**	D	<0.0473	U	**1.05**	D	**0.11**	D	NT		NT		NT		NT		NS	NS	NS
Chrysene	NT		NT		NT		NT		**12.3**	D	**0.13**	D	**1.61**	D	**0.0695**	JD	**2.4**	D	**0.0688**	JD	**0.235**	D	**0.722**	D	**0.305**	D	**0.821**	D	1	1	3.9
Dibenzo(a,h)anthracene	NT		NT		NT		NT		<1.13	U	<0.0477	U	**0.565**	D	<0.0473	U	**0.153**	D	<0.0445	U	<0.0475	U	**0.0915**	JD	**0.0809**	JD	**0.216**	D	0.33	0.33	0.33
Dibenzofuran	NT		NT		NT		NT		<1.13	U	<0.0477	U	**0.245**	D	<0.0473	U	**0.0714**	JD	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	7	14	59
Diethyl phthalate	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Dimethyl phthalate	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Di-n-butyl phthalate	NT		NT		NT		NT		<1.13	U	<0.0477	U	**0.0679**	JD	<0.0473	U	**0.0774**	JD	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Di-n-octyl phthalate	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Fluoranthene	NT		NT		NT		NT		**34.3**	D	**0.32**	D	**5.24**	D	**0.141**	D	**6.06**	D	**0.175**	D	**0.436**	D	**1.53**	D	**0.522**	D	**1.6**	D	100	100	100
Fluorene	NT		NT		NT		NT		**4.42**	D	<0.0477	U	**0.416**	D	<0.0473	U	**0.237**	D	**0.083**	JD	<0.0475	U	**0.0587**	JD	<0.0445	U	**0.055**	JD	30	100	100
Hexachlorobenzene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	0.33	0.33	1.2
Hexachlorobutadiene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Hexachlorocyclopentadiene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Hexachloroethane	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Indeno(1,2,3-cd)pyrene	NT		NT		NT		NT		**2.17**	JD	**0.0905**	JD	**1.09**	D	<0.0473	U	**0.42**	D	<0.0445	U	**0.0742**	JD	**0.203**	D	**0.128**	D	**0.427**	D	0.5	0.5	0.5
Isophorone	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Naphthalene	NT		NT		NT		NT		<1.13	U	<0.0477	U	**0.161**	D	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	**0.0758**	JD	12	100	100
Nitrobenzene	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
N-Nitrosodimethylamine	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
N-nitroso-di-n-propylamine	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
N-Nitrosodiphenylamine	NT		NT		NT		NT		<1.13	U	<0.0477	U	<0.0458	U	<0.0473	U	<0.0471	U	<0.0445	U	<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Pentachlorophenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Phenanthrene	NT		NT		NT		NT		**28.3**	D	**0.255**	D	**2.93**	D	**0.0959**	D	**3.06**	D	**0.184**	D	**0.223**	D	**1.04**	D	**0.172**	D	**1.07**	D	100	100	100
Phenol	NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		<0.0475	U	<0.0478	U	<0.0445	U	<0.0466	U	NS	NS	NS
Pyrene	NT		NT		NT		NT		**27**	D	**0.229**	D	**4.95**	D	**0.115**	D	**5.97**	D	**0.169**	D	**0.366**	D	**1.29**	D	**0.478**	D	**1.52**	D	100	100	100
Pyridine	NT		NT		NT		NT		<4.53	U	<0.191	U	<0.183	U	<0.189	U	<0.188	U	<0.178	U	<0.19	U	<0.191	U	<0.178	U	<0.186	U	NS	NS	NS
Total SVOC's	NT		NT		NT		NT		**162.80**		**1.43**		**26.56**		**0.74**		**28.98**		**0.86**		**2.32**		**7.61**		**3.05**		**9.43**		NS	NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

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

NS=this indicates that no regulatory limit has been established for this analyte

Table 4

Soil Samples Analytical Results for Pesticides and PCB's

542-544 West 29th Street, New York, NY

Sample ID	SB-1 (6-8)		SB-2 (1.5- 3.5)		SB-4 (6-8)		SB-5 (6-8)		SP-1 (0-2)		SP-1 (4-6)		SP-2 (0-2)		SP-2 (4-6)		SP-3 (0-2)		SP-3 (10-12)		SP-4 (0-2)		SP-4 (10-12)		SP-5 (0-2)		SP-5 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/14/2014		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/23/2016		4/23/2016		4/23/2016		4/23/2016				
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil				
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result				
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg	mg/Kg
4,4'-DDD	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.0033	2.6	13
4,4'-DDE	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.0033	1.8	8.9
4,4'-DDT	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.0033	1.7	7.9
Aldrin	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.005	0.019	0.097
alpha-BHC	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.02	0.097	0.48
alpha-Chlordane	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.094	0.91	4.2
Aroclor 1016	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	NS	NS	NS
Aroclor 1221	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	NS	NS	NS
Aroclor 1232	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	NS	NS	NS
Aroclor 1242	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	NS	NS	NS
Aroclor 1248	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	NS	NS	NS
Aroclor 1254	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	NS	NS	NS
Aroclor 1260	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	NS	NS	NS
beta-BHC	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.036	0.072	0.36
Chlordane, total	NT		NT		NT		NT		<0.108	U	<0.113	U	<0.108	U	<0.112	U	<0.112	U	<0.105	U	<0.075	U	<0.0755	U	<0.0703	U	<0.0736	U	NS	NS	NS
delta-BHC	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.04	100	100
Dieldrin	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.005	0.039	0.2
Endosulfan I	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	2.4	4.8	24
Endosulfan II	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	2.4	4.8	24
Endosulfan sulfate	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	2.4	4.8	24
Endrin	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.014	2.2	11
Endrin aldehyde	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	NS	NS	NS
Endrin ketone	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	NS	NS	NS
gamma-BHC (Lindane)	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.1	0.28	1.3
gamma-Chlordane	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	NS	NS	NS
Heptachlor	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	0.042	0.42	2.1
Heptachlor epoxide	NT		NT		NT		NT		<0.00269	U	<0.00282	U	<0.00271	U	<0.0028	U	<0.00279	U	<0.00263	U	<0.00188	U	<0.00189	U	<0.00176	U	<0.00184	U	NS	NS	NS
Methoxychlor	NT		NT		NT		NT		<0.0134	U	<0.0141	U	<0.0135	U	<0.014	U	<0.014	U	<0.0132	U	<0.00938	U	<0.00944	U	<0.00878	U	<0.0092	U	NS	NS	NS
Total PCBs	NT		NT		NT		NT		<0.0271	U	<0.0285	U	<0.0274	U	<0.0283	U	<0.0282	U	<0.0266	U	<0.0189	U	<0.0191	U	<0.0177	U	<0.0186	U	0.1	1	1
Toxaphene	NT		NT		NT		NT		<0.136	U	<0.143	U	<0.137	U	<0.142	U	<0.141	U	<0.133	U	<0.0949	U	<0.0955	U	<0.0889	U	<0.0931	U	NS	NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 5

Soil Samples Analytical Results for Metals

542-544 West 29th Street, New York, NY

Sample ID	SB-1 (6-8)		SB-2 (1.5- 3.5)		SB-4 (6-8)		SB-5 (6-8)		SP-1 (0-2)		SP-1 (4-6)		SP-2 (0-2)		SP-2 (4-6)		SP-3 (0-2)		SP-3 (10-12)		SP-4 (0-2)		SP-4 (10-12)		SP-5 (0-2)		SP-5 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/14/2014		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/30/2016		4/23/2016		4/23/2016		4/23/2016		4/23/2016				
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil				
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result				
Units	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg	mg/Kg
Aluminum	NT		NT		NT		NT		3,300		5,080		6,690		4,090		3,960		4,630		4,260		7,090		3,280		7,760		NS	NS	NS
Antimony	NT		NT		NT		NT		<0.543	U	2.18		0.57		<0.566	U	15.40		<0.532	U	<0.568	U	<0.572	U	<0.532	U	<0.558	U	NS	NS	NS
Arsenic	NT		NT		NT		NT		7.40		14.40		8.25		2.09		15.20		2.40		13.50		2.58		3.90		6.56		13	16	16
Barium	NT		NT		NT		NT		175		506		244		52.40		587		33.50		170		89.40		61.50		147		350	350	400
Beryllium	NT		NT		NT		NT		<0.109	U	0.17		0.20		0.19		<0.113	U	0.20		<0.114	U	0.18		<0.106	U	0.19		7.2	14	72
Cadmium	NT		NT		NT		NT		0.90		3.70		0.59		<0.34	U	8.25		<0.319	U	1.71		<0.343	U	<0.319	U	<0.335	U	2.5	2.5	4.3
Calcium	NT		NT		NT		NT		11,700		26,900		14,000		3,090		13,900		1,140		28,100		5,240		12,100		9,160		NS	NS	NS
Chromium	NT		NT		NT		NT		10.20		15.30		15.60		9.72		24		12.10		14.10		14.70		8.93		20.90		NS	NS	NS
Chromium, Hexavalent	NT		NT		NT		NT		<0.543	U	<0.57	U	<0.547	U	<0.566	U	<0.564	U	1.96		<0.568	U	<0.572	U	<0.532	U	<0.558	U	1	22	110
Chromium, Trivalent	NT		NT		NT		NT		10.20		15.30		15.60		9.71		24		12.10		14.10		14.70		8.93		20.90		30	36	180
Cobalt	NT		NT		NT		NT		4.73		7.26		6.50		6.01		6		4.35		7.61		6.81		5.02		8.01		NS	NS	NS
Copper	NT		NT		NT		NT		42.30		4,720	E	58.20		24.30		6,370	E	19.10		82.80		23.10		135		49.40		50	270	270
Iron	NT		NT		NT		NT		9,690		42,100	E	11,900		11,600		12,500		9,020		13,400		12,900		10,400		18,300		NS	NS	NS
Lead	NT		NT		NT		NT		292		1,820		662		37		1,180		6.58		434		410		414		326		63	400	400
Magnesium	NT		NT		NT		NT		1,550		2,770		2,800		1,930		2,200		1,900		4,600		2,980		1,710		3,180		NS	NS	NS
Manganese	NT		NT		NT		NT		196		261		346		197		241		143		200		297		180		476		1600	2000	2000
Mercury	NT		NT		NT		NT		2.73		1.41		4.73		0.37		2.31		<0.0319	U	1.55		2.82		0.62		7.39		0.18	0.81	0.81
Nickel	NT		NT		NT		NT		13.80		114		15.20		14.10		21.60		10.70		20.70		16.20		16.30		30.10		30	140	310
Potassium	NT		NT		NT		NT		1,020		1,000		1,510		1,020		827		982		982		1,450		1,120		1,380		NS	NS	NS
Selenium	NT		NT		NT		NT		1.37		5.48		1.59		1.15		1.30		1.08		3.61		1.89		1.76		3.66		3.9	36	180
Silver	NT		NT		NT		NT		<0.543	U	<0.57	U	<0.547	U	<0.566	U	<0.564	U	<0.532	U	<0.568	U	<0.572	U	<0.532	U	<0.558	U	2	36	180
Sodium	NT		NT		NT		NT		170		466		364		382		432		186		857		641		197		348		NS	NS	NS
Thallium	NT		NT		NT		NT		<1.09	U	<1.14	U	<1.09	U	<1.13	U	<1.13	U	<1.06	U	<1.14	U	<1.14	U	<1.06	U	<1.12	U	NS	NS	NS
Vanadium	NT		NT		NT		NT		13.10		15.80		19.80		12.10		12.60		13.30		24.50		17.80		10.20		19.70		NS	NS	NS
Zinc	NT		NT		NT		NT		254		2,120	E	210		55.20		1,990	E	19.10		1,270		49.80		291		221		109	2200	10000

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

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

NS=this indicates that no regulatory limit has been established for this analyte

Table 6

Groundwater Samples Analytical Results for VOCs

542-544 West 29th Street, New York, NY

Sample ID	SB-1		SB-4		SB-5		MW-1		MW-2		MW-3		Trip Blank		FB-1		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/7/2016		5/7/2016		5/7/2016		5/7/2016		5/7/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
1,1,1,2-Tetrachloroethane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,1,1-Trichloroethane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,1,2,2-Tetrachloroethane	<0.5	U	<0.5	U	<0.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<1.5	U	<1.5	U	<1.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,1,2-Trichloroethane	<1.5	U	<1.5	U	<1.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	1
1,1-Dichloroethane	**0.87**	**J**	<2.5	U	**0.70**	**J**	**0.51**		**1.10**		**0.60**		<0.2	U	<0.2	U	5
1,1-Dichloroethylene	<2.5	U	<2.5	U	<2.5	U	**0.39**	**J**	**1.10**		**1.50**		<0.2	U	<0.2	U	5
1,1-Dichloropropylene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,2,3-Trichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,2,3-Trichloropropane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.04
1,2,4,5-Tetramethylbenzene	<2.0	U	<2.0	U	<2.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NS
1,2,4-Trichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,2,4-Trimethylbenzene	<2.5	U	<2.5	U	<2.5	U	**0.29**	**J**	**0.26**	**J**	**0.37**	**J**	<0.2	U	<0.2	U	5
1,2-Dibromo-3-chloropropane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.04
1,2-Dibromoethane	<2.0	U	<2.0	U	<2.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,2-Dichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	3
1,2-Dichloroethane	<0.5	U	<0.5	U	<0.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.6
1,2-Dichloropropane	<1.0	U	<1.0	U	<1.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	1
1,3,5-Trimethylbenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,3-Dichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	3
1,3-Dichloropropane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
1,4-Dichlorobenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	3
2,2-Dichloropropane	<250	U	<250	U	<250	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
2-Butanone	<5.0	U	<5.0	U	<5.0	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	<0.8	U	50
2-Chlorotoluene	NT		NT		NT		<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
2-Hexanone	<5.0	U	<5.0	U	<5.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	50
4-Chlorotoluene	NT		NT		NT		<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
4-Methyl-2-pentanone	<5.0	U	<5.0	U	<5.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NS
Acetone	**4.60**	**J**	<5.0	U	**2.00**	**J**	<1	U	<1	U	<1	U	<1	U	<1	U	50
Benzene	**1.4**		<0.5	U	<0.5	U	<0.2	U	<0.2	U	**0.33**	**J**	<0.2	U	<0.2	U	1
Bromobenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Bromochloromethane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Bromodichloromethane	<0.5	U	<0.5	U	<0.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	50
Bromoform	<2.0	U	<2.0	U	<2.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	50
Bromomethane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Carbon disulfide	<5.0	U	<5.0	U	<5.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NS
Carbon tetrachloride	<0.5	U	<0.5	U	<0.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Chlorobenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Chloroethane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Chloroform	<2.5	U	<2.5	U	<2.5	U	<0.2	U	**1.80**		**2.70**		<0.2	U	<0.2	U	7
Chloromethane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	**2.20**		<0.2	U	<0.2	U	5
cis-1,2-Dichloroethylene	<2.5	U	**0.88**	**J**	<2.5	U	**0.62**		**0.70**		**1.20**		<0.2	U	<0.2	U	5
cis-1,3-Dichloropropylene	<0.5	U	<0.5	U	<0.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.4
Dibromochloromethane	<0.5	U	<0.5	U	<0.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	50
Dibromomethane	<5.0	U	<5.0	U	<5.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NS
Dichlorodifluoromethane	<5.0	U	<5.0	U	<5.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Ethyl Benzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Hexachlorobutadiene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.5
Isopropylbenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Methyl tert-butyl ether (MTBE)	**11**		**1.1**	**J**	**1.8**	**J**	**1.40**		**2.80**		**3.70**		<0.2	U	<0.2	U	10
Methylene chloride	<2.5	U	<2.5	U	<2.5	U	<1	U	<1	U	<1	U	<1	U	<1	U	5
Naphthalene	<2.5	U	<2.5	U	<2.5	U	<1	U	<1	U	<1	U	<1	U	<1	U	10
n-Butylbenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
n-Propylbenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
o-Xylene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	**0.24**	**J**	<0.2	U	<0.2	U	5
p- & m- Xylenes	<2.5	U	<2.5	U	<2.5	U	<0.5	U	<0.5	U	**0.67**	**J**	<0.5	U	<0.5	U	5
p-Diethylbenzene	<2.0	U	<2.0	U	<2.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NS
p-Ethyltoluene	<2.0	U	<2.0	U	<2.0	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	NS
p-Isopropyltoluene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
sec-Butylbenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Styrene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
tert-Butylbenzene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Tetrachloroethylene	<0.5	U	<0.5	U	<0.5	U	<0.2	U	**0.21**	**J**	<0.2	U	<0.2	U	<0.2	U	5
Toluene	<2.5	U	<2.5	U	<2.5	U	**0.26**	**J**	**0.25**	**J**	**0.42**	**J**	<0.2	U	<0.2	U	5
trans-1,2-Dichloroethylene	<2.5	U	<2.5	U	<2.5	U	<0.2	U	**0.24**	**J**	<0.2	U	<0.2	U	<0.2	U	5
trans-1,3-Dichloropropylene	<0.5	U	<0.5	U	<0.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	0.4
Trichloroethylene	<0.5	U	**0.33**	**J**	<0.5	U	**0.24**	**J**	**0.32**	**J**	<0.2	U	<0.2	U	<0.2	U	5
Trichlorofluoromethane	<2.5	U	<2.5	U	<2.5	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	<0.2	U	5
Vinyl Chloride	<1.0	U	<1.0	U	<1.0	U	<0.2	U	<0.2	U	**0.21**	**J**	<0.2	U	<0.2	U	2
Total VOC's	17.87		2.31		4.50		3.71		8.78		14.14		ND		ND		NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

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

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 7

Groundwater Samples Analytical Results for SVOCs

542-544 West 29th Street, New York, NY

Sample ID	SB-1		SB-4		SB-5		MW-1		MW-2		MW-3		Trip Blank		FB-1		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/7/2016		5/7/2016		5/7/2016		5/7/2016		5/7/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
1,2,4-Trichlorobenzene	NT		NT		NT		<2.67	U	<2.67	U	<2.6	U	NT		<2.67	U	5
1,2-Dichlorobenzene	NT		NT		NT		<2.69	U	<2.69	U	<2.62	U	NT		<2.69	U	3
1,3-Dichlorobenzene	NT		NT		NT		<2.82	U	<2.82	U	<2.75	U	NT		<2.82	U	3
1,4-Dichlorobenzene	NT		NT		NT		<2.39	U	<2.39	U	<2.33	U	NT		<2.39	U	3
2,4-Dinitrotoluene	NT		NT		NT		<1.74	U	<1.74	U	<1.69	U	NT		<1.74	U	5
2,6-Dinitrotoluene	NT		NT		NT		<1.74	U	<1.74	U	<1.69	U	NT		<1.74	U	5
2-Chloronaphthalene	NT		NT		NT		<2.38	U	<2.38	U	<2.32	U	NT		<2.38	U	10
2-Methylnaphthalene	NT		NT		NT		<2.98	U	<2.98	U	<2.91	U	NT		<2.98	U	NS
2-Nitroaniline	NT		NT		NT		<1.82	U	<1.82	U	<1.77	U	NT		<1.82	U	5
3,3'-Dichlorobenzidine	NT		NT		NT		<1.37	U	<1.37	U	<1.34	U	NT		<1.37	U	5
3-Nitroaniline	NT		NT		NT		<1.82	U	<1.82	U	<1.77	U	NT		<1.82	U	5
4-Bromophenyl phenyl ether	NT		NT		NT		<1.44	U	<1.44	U	<1.4	U	NT		<1.44	U	NS
4-Chloroaniline	NT		NT		NT		<3.22	U	<3.22	U	<3.14	U	NT		<3.22	U	5
4-Chlorophenyl phenyl ether	NT		NT		NT		<2.65	U	<2.65	U	<2.58	U	NT		<2.65	U	NS
4-Nitroaniline	NT		NT		NT		<2.9	U	<2.9	U	<2.82	U	NT		<2.9	U	5
Acenaphthene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.65**		NT		<0.0541	U	20
Acenaphthylene	NT		NT		NT		<0.0541	U	<0.0541	U	<0.0526	U	NT		<0.0541	U	NS
Aniline	NT		NT		NT		<1.62	U	<1.62	U	<1.58	U	NT		<1.62	U	5
Anthracene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.28**		NT		<0.0541	U	50
Benzo(a)anthracene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.27**		NT		<0.0541	U	0.002
Benzo(a)pyrene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.17**		NT		<0.0541	U	0.002
Benzo(b)fluoranthene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.17**		NT		<0.0541	U	0.002
Benzo(g,h,i)perylene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.14**		NT		<0.0541	U	NS
Benzo(k)fluoranthene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.16**		NT		<0.0541	U	0.002
Benzyl butyl phthalate	NT		NT		NT		<0.921	U	<0.921	U	<0.897	U	NT		<0.921	U	50
Bis(2-chloroethoxy)methane	NT		NT		NT		<1.91	U	<1.91	U	<1.86	U	NT		<1.91	U	5
Bis(2-chloroethyl)ether	NT		NT		NT		<1.62	U	<1.62	U	<1.58	U	NT		<1.62	U	1
Bis(2-chloroisopropyl)ether	NT		NT		NT		<3.23	U	<3.23	U	<3.15	U	NT		<3.23	U	5
Bis(2-ethylhexyl)phthalate	NT		NT		NT		<0.541	U	<0.541	U	<0.526	U	NT		<0.541	U	5
Carbazole	NT		NT		NT		<1.42	U	<1.42	U	<1.38	U	NT		<1.42	U	NS
Chrysene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.21**		NT		<0.0541	U	0.002
Dibenzo(a,h)anthracene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.063**		NT		<0.0541	U	NS
Dibenzofuran	NT		NT		NT		<2.61	U	<2.61	U	<2.54	U	NT		<2.61	U	NS
Diethyl phthalate	NT		NT		NT		<2.77	U	<2.77	U	<2.69	U	NT		<2.77	U	50
Dimethyl phthalate	NT		NT		NT		<2.06	U	<2.06	U	<2.01	U	NT		<2.06	U	50
Di-n-butyl phthalate	NT		NT		NT		<2.22	U	<2.22	U	<2.16	U	NT		<2.22	U	50
Di-n-octyl phthalate	NT		NT		NT		<1.21	U	<1.21	U	<1.18	U	NT		<1.21	U	50
Fluoranthene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.92**		NT		<0.0541	U	50
Fluorene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.66**		NT		<0.0541	U	50
Hexachlorobenzene	NT		NT		NT		<0.0216	U	<0.0216	U	<0.0211	U	NT		<0.0216	U	0.04
Hexachlorobutadiene	NT		NT		NT		<0.541	U	<0.541	U	<0.526	U	NT		<0.541	U	0.5
Hexachlorocyclopentadiene	NT		NT		NT		<2.74	U	<2.74	U	<2.66	U	NT		<2.74	U	5
Hexachloroethane	NT		NT		NT		<0.541	U	<0.541	U	<0.526	U	NT		<0.541	U	5
Indeno(1,2,3-cd)pyrene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.13**		NT		<0.0541	U	0.002
Isophorone	NT		NT		NT		<2.9	U	<2.9	U	<2.82	U	NT		<2.9	U	50
Naphthalene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.15**		NT		<0.0541	U	10
Nitrobenzene	NT		NT		NT		<0.27	U	<0.27	U	<0.263	U	NT		<0.27	U	0.4
N-Nitrosodimethylamine	NT		NT		NT		<0.541	U	<0.541	U	<0.526	U	NT		<0.541	U	NS
N-nitroso-di-n-propylamine	NT		NT		NT		<2.77	U	<2.77	U	<2.69	U	NT		<2.77	U	NS
N-Nitrosodiphenylamine	NT		NT		NT		<5.41	U	<5.41	U	<5.26	U	NT		<5.41	U	50
Phenanthrene	NT		NT		NT		**0.11**		<0.0541	U	**3.38**		NT		<0.0541	U	50
Pyrene	NT		NT		NT		<0.0541	U	<0.0541	U	**0.83**		NT		<0.0541	U	50
Pyridine	NT		NT		NT		<4.23	U	<4.23	U	<4.12	U	NT		<4.23	U	50
Total SVOC's	NT		NT		NT		0.11		nd		8.18		NT		ND		NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

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

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 8

Groundwater Samples Analytical Results for Pesticides and PCBs

542-544 West 29th Street, New York, NY

Sample ID	SB-1		SB-4		SB-5		MW-1		MW-2		MW-3		Trip Blank		FB-1		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/7/2016		5/7/2016		5/7/2016		5/7/2016		5/7/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
4,4'-DDD	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.3
4,4'-DDE	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.2
4,4'-DDT	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.2
Aldrin	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	NS
alpha-BHC	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.01
alpha-Chlordane	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	NS
Aroclor 1016	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	NS
Aroclor 1221	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	NS
Aroclor 1232	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	NS
Aroclor 1242	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	NS
Aroclor 1248	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	NS
Aroclor 1254	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	NS
Aroclor 1260	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	NS
beta-BHC	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.04
Chlordane, total	NT		NT		NT		<0.0421	U	<0.0432	U	<0.0471	U	NT		<0.0444	U	0.05
delta-BHC	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.04
Dieldrin	NT		NT		NT		0.00211	U	0.00216	U	0.00235	U	NT		0.00222	U	0.004
Endosulfan I	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	NS
Endosulfan II	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	NS
Endosulfan sulfate	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	NS
Endrin	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	NS
Endrin aldehyde	NT		NT		NT		0.0105	U	0.0108	U	0.0118	U	NT		0.0111	U	5
Endrin ketone	NT		NT		NT		0.0105	U	0.0108	U	0.0118	U	NT		0.0111	U	5
gamma-BHC (Lindane)	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.05
gamma-Chlordane	NT		NT		NT		0.0105	U	0.0108	U	0.0118	U	NT		0.0111	U	NS
Heptachlor	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.04
Heptachlor epoxide	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	0.03
Methoxychlor	NT		NT		NT		<0.00421	U	<0.00432	U	<0.00471	U	NT		<0.00444	U	35
Toxaphene	NT		NT		NT		<0.105	U	<0.108	U	<0.118	U	NT		<0.111	U	0.06
Total PCBs	NT		NT		NT		<0.0526	U	<0.0541	U	<0.0588	U	NT		<0.0556	U	0.09

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

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

NS=this indicates that no regulatory limit has been established for this analyte

Table 9

Groundwater Samples Analytical Results for Metals

542-544 West 29th Street, New York, NY

Sample ID	SB-1		SB-4		SB-5		MW-1		MW-2		MW-3		Trip Blank		FB-1		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/7/2016		5/7/2016		5/7/2016		5/7/2016		5/7/2016		
Client Matrix	Water		Water		Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
Metals, Target Analyte																	
Aluminum	NT		NT		NT		**1,490**		**1,350**		**4,670**		NT		<56	U	NS
Antimony	NT		NT		NT		<6	U	<6	U	<6	U	NT		**6**	U	3
Arsenic	NT		NT		NT		**420**		**911**		**164**		NT		<4	U	25
Barium	NT		NT		NT		**211**		**87**		**127**		NT		<11	U	1000
Beryllium	NT		NT		NT		<1	U	1	U	<1	U	NT		<1	U	3
Cadmium	NT		NT		NT		<3	U	<3	U	<3	U	NT		<3	U	5
Calcium	NT		NT		NT		**315,000**		**395,000**		**114,000**		NT		<56	U	NS
Chromium	NT		NT		NT		**13**		**6**		**21**		NT		<6	U	50
Chromium, Hexavalent	NT		NT		NT		<10	U	<10	U	<10	U	NT		<10	U	50
Chromium, Trivalent	NT		NT		NT		**13**		<10	U	**21**		NT		<10	U	NS
Cobalt	NT		NT		NT		<6	U	<6	U	**10**		NT		<6	U	NS
Copper	NT		NT		NT		**229**		**17**		**192**		NT		<3	U	200
Iron	NT		NT		NT		**4,660**		**1,910**		**8,010**		NT		**78**		NS
Lead	NT		NT		NT		**177**		**7**		**495**		NT		<3	U	25
Magnesium	NT		NT		NT		**77,500**		**91,500**		**17,300**		NT		<56	U	35000
Manganese	NT		NT		NT		**6,460**		**7,990**		**4,090**		NT		<6	U	300
Mercury	NT		NT		NT		<0.2	U	<0.2	U	<0.2	U	NT		<0.2	U	0.7
Nickel	NT		NT		NT		**9**		<6	U	**19**		NT		<6	U	100
Potassium	NT		NT		NT		**48,600**		**54,400**		**21,600**		NT		<56	U	NS
Selenium	NT		NT		NT		**16**		<11	U	<11	U	NT		**11**	U	10
Silver	NT		NT		NT		<6	U	<6	U	<6	U	NT		<6	U	50
Sodium	NT		NT		NT		**450,000**		**440,000**		**438,000**		NT		**970**		20000
Thallium	NT		NT		NT		**11**		**13**		**6**		NT		<6	U	NS
Vanadium	NT		NT		NT		<11	U	<11	U	**39**		NT		<11	U	NS
Zinc	NT		NT		NT		**172**		**18**		**207**		NT		<11	U	2000
Metals, Target Analyte, Dissolved																	
Aluminum	NT		NT		NT		<56	U	<56	U	<56	U	NT		<56	U	NS
Antimony	NT		NT		NT		<6	U	<6	U	<6	U	NT		**6**	U	3
Arsenic	NT		NT		NT		**230**		**468**		**111**		NT		<4	U	25
Barium	NT		NT		NT		**205**		**65**		**48**		NT		<11	U	1000
Beryllium	NT		NT		NT		<1	U	<1	U	<1	U	NT		<1	U	3
Cadmium	NT		NT		NT		<3	U	<3	U	<3	U	NT		<3	U	5
Calcium	NT		NT		NT		**321,000**		**344,000**		**81,100**		NT		<56	U	NS
Chromium	NT		NT		NT		<6	U	<6	U	<6	U	NT		<6	U	50
Cobalt	NT		NT		NT		<6	U	<6	U	<6	U	NT		<6	U	NS
Copper	NT		NT		NT		18		12		24		NT		<3	U	200
Iron	NT		NT		NT		**54**		**66**		**100**		NT		**92**		NS
Lead	NT		NT		NT		<3	U	<3	U	<3	U	NT		<3	U	25
Magnesium	NT		NT		NT		**78,100**		**82,900**		**10,700**		NT		<56	U	35000
Manganese	NT		NT		NT		**6,130**		**6,790**		**1,830**		NT		<6	U	300
Mercury	NT		NT		NT		<0.2	U	<0.2	U	<0.2	U	NT		<0.2	U	0.7
Nickel	NT		NT		NT		<6	U	<6	U	<6	U	NT		<6	U	100
Potassium	NT		NT		NT		**49,700**		**47,000**		**18,800**		NT		<56	U	NS
Selenium	NT		NT		NT		**17**		**11**	U	**12**		NT		**11**	U	10
Silver	NT		NT		NT		<6	U	<6	U	<6	U	NT		<6	U	50
Sodium	NT		NT		NT		**454,000**		**376,000**		**391,000**		NT		**1,110**		20000
Thallium	NT		NT		NT		**11**		**15**		<6	U	NT		<6	U	NS
Vanadium	NT		NT		NT		<11	U	<11	U	**12**		NT		<11	U	NS
Zinc	NT		NT		NT		**28**		<11	U	<11	U	NT		**13**		2000

NOTES:

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Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

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

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 10

Soil Vapor Analytical Results

542-544 West 29th Street, New York, NY

Sample ID	0A-1		AI-1		AI-2		SS-1		SS-2		SS		SV-1		SV-2		AI-1		NYSDOH Background Standards - Indoor Air (25th - 75th Pctl)
Sampling Date	5/14/2014		5/14/2014		5/14/2014		5/14/2014		5/14/2014		5/14/2014		5/7/2016		5/7/2016		5/7/2016		
Client Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Indoor Air		
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		
Units	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3
1,1,1,2-Tetrachloroethane	NT		NT		NT		NT		NT		NT		<0.8	U	<13	U	<12	U	NS
1,1,1-Trichloroethane	<0.109	U	<0.109	U	<0.109	U	<30.6	U	<0.109	U	<0.109	U	**9.90**	**D**	<10	U	<9.4	U	<0.25 - 1.1
1,1,2,2-Tetrachloroethane	<1.37	U	<1.37	U	<1.37	U	<38.5	U	<1.37	U	<1.37	U	<0.8	U	<13	U	<12	U	<0.25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NT		NT		NT		NT		NT		NT		<0.9	U	<14	U	<13	U	<0.25 - 1.1
1,1,2-Trichloroethane	NT		NT		NT		NT		NT		NT		<0.64	U	<10	U	<9.4	U	<0.25
1,1-Dichloroethane	<0.809	U	<0.809	U	<0.809	U	<22.7	U	<0.809	U	<0.809	U	**3**	**D**	<7.5	U	<6.9	U	<0.25
1,1-Dichloroethylene	NT		NT		NT		NT		NT		NT		<0.46	U	<7.4	U	<6.8	U	<0.25
1,2,4-Trichlorobenzene	<1.48	U	1.48	U	1.48	U	41.6	U	1.48	U	1.48	U	<0.87	U	<14	U	<13	U	<0.25
1,2,4-Trimethylbenzene	**9.88**		**9.88**		**8.65**		<27.6	U	**4.29**		**2.52**		<0.57	U	<9.1	U	<8.4	U	0.7 - 4.3
1,2-Dibromoethane	<1.54	U	1.54	U	<1.54	U	<43.1	U	<1.54	U	<1.54	U	<0.9	U	<14	U	<13	U	<0.25
1,2-Dichlorobenzene	<1.2	U	1.2	U	<1.2	U	<33.7	U	<1.2	U	<1.2	U	<0.7	U	<11	U	<10	U	<0.25
1,2-Dichloroethane	<0.809	U	<0.809	U	<0.809	U	<22.7	U	<0.809	U	<0.809	U	<0.47	U	<7.5	U	<6.9	U	<0.25
1,2-Dichloropropane	<0.924	U	<0.924	U	<0.924	U	**22.9**		<0.924	U	<0.924	U	<0.54	U	<8.6	U	<7.9	U	<0.25
1,2-Dichlorotetrafluoroethane	NT		NT		NT		NT		NT		NT		<0.82	U	<13	U	<12	U	<0.25
1,3,5-Trimethylbenzene	<0.983	U	**2.93**		**2.57**		<27.6	U	**1.25**		<0.983	U	<0.57	U	<9.1	U	<8.4	U	0.3 - 1.7
1,3-Butadiene	**1.04**		<0.442	U	<0.442	U	<12.4	U	<0.442	U	**1.84**		<0.78	U	<12	U	<11	U	NS
1,3-Dichlorobenzene	<1.2	U	<1.2	U	<1.2	U	<33.7	U	<1.2	U	<1.2	U	<0.7	U	<11	U	<10	U	<0.25
1,3-Dichloropropane	NT		NT		NT		NT		NT		NT		<0.54	U	<8.6	U	<7.9	U	<0.25
1,4-Dichlorobenzene	<1.2	U	<1.2	U	<1.2	U	<33.7	U	<1.2	U	<1.2	U	<0.7	U	<11	U	<10	U	<0.25 - 0.5
1,4-Dioxane	<0.721	U	<0.721	U	<0.721	U	<20.2	U	<0.721	U	<0.721	U	<0.84	U	<13	U	<12	U	NS
2-Butanone	**1.42**		**4.81**		**3.8**		<16.5	U	**6.69**		**10.9**		**0.48**	**D**	<5.5	U	<5.1	U	NS
2-Hexanone	<0.82	U	<0.82	U	<0.82	U	<23	U	**0.943**		**2.21**		<0.96	U	<15	U	<14	U	NS
3-Chloropropene	<0.626	U	<0.626	U	<0.626	U	<17.6	U	<0.626	U	<0.626	U	<1.8	U	<29	U	<27	U	NS
4-Methyl-2-pentanone	<0.82	U	<0.82	U	<0.82	U	<23	U	<0.82	U	<0.82	U	<0.48	U	<7.6	U	<7	U	NS
Acetone	**10.9**		<2.38	U	<2.38	U	**297**		**344**		**401**		**3.90**	**D**	**30**	**D**	**19**	**D**	10 - 52
Acrylonitrile	NT		NT		NT		NT		NT		NT		**4.60**	**D**	<4	U	<3.7	U	NS
Benzene	**1.68**		**24.2**		**19.6**		<17.9	U	**10.7**		**2.72**		<0.37	U	<5.9	U	**11**	**D**	1.1 - 5.9
Benzyl chloride	<1.04	U	<1.04	U	<1.04	U	<29	U	<1.04	U	<1.04	U	<0.6	U	<9.6	U	<8.9	U	NS
Bromodichloromethane	<1.34	U	**2.36**		**2.13**		<37.6	U	<1.34	U	<1.34	U	**1.10**	**D**	<12	U	<11	U	NS
Bromoform	<2.07	U	<2.07	U	<2.07	U	<58	U	<2.07	U	<2.07	U	<1.2	U	<19	U	<18	U	NS
Bromomethane	<0.777	U	<0.777	U	<0.777	U	<21.8	U	<0.777	U	<0.777	U	<0.45	U	<7.2	U	<6.7	U	<0.25
Carbon disulfide	<0.623	U	<0.623	U	<0.623	U	<17.5	U	**1.86**		**4.86**		<0.36	U	<5.8	U	<5.3	U	NS
Carbon tetrachloride	**0.415**		**0.465**		**0.491**		<35.3	U	<1.26	U	<1.26	U	**0.88**	**D**	<2.9	U	<2.7	U	<0.25 - 0.59
Chlorobenzene	<0.921	U	<0.921	U	<0.921	U	<25.8	U	<0.921	U	<0.921	U	<0.54	U	<8.6	U	<7.9	U	<0.25
Chloroethane	<0.528	U	<0.528	U	<0.528	U	<14.8	U	<0.528	U	<0.528	U	<0.31	U	<4.9	U	<4.5	U	<0.25
Chloroform	<0.977	U	<20.9		**18.2**		<27.4	U	**10.7**		**27**		**28**	**D**	<9.1	U	**12**	**D**	<0.25 - 0.54
Chloromethane	**1.44**		**1.01**		**0.964**		<11.6	U	**0.535**		**0.413**		<0.24	U	<3.8	U	<3.5	U	<0.25 - 1.8
cis-1,2-Dichloroethylene	**0.266**		**0.198**		**0.25**		<22.2	U	<0.793	U	<0.793	U	**3.20**	**D**	<7.4	U	<6.8	U	NS
cis-1,3-Dichloropropylene	<0.908	U	<9.67	U	<0.908	U	<25.3	U	<0.908	U	<0.908	U	<0.53	U	<8.4	U	<7.8	U	<0.25
Cyclohexane	<0.688	U	**9.67**		**8.23**		<19.3	U	**6.54**		**1.96**		<0.4	U	<6.4	U	<5.9	U	<0.25 - 2.6
Dibromochloromethane	<1.7	U	<1.7	U	<1.7	U	<47.8	U	<1.7	U	<1.7	U	<0.99	U	<16	U	<15	U	NS
Dichlorodifluoromethane	**1.86**		**4.78**		**2.79**		<27.7	U	**2.36**		**3.29**		**2.80**	**D**	**10**	**D**	<8.5	U	<0.25 - 4.1
Ethyl acetate	<1.8	U	**2.34**		<1.8	U	<50.5	U	<1.8	U	<1.8	U	<0.84	U	<13	U	<12	U	NS
Ethyl Benzene	<0.869	U	**5.99**		**5.3**		<24.4	U	**3.83**		**2.75**		<0.51	U	<8.1	U	<7.4	U	0.4 - 2.8
Hexachlorobutadiene	<2.13	U	<2.13	U	<2.13	U	<59.8	U	<2.13	U	<2.13	U	<1.2	U	<20	U	<18	U	<0.25
Isopropanol	**2.56**		<1.23	U	<1.23	U	<34.4	U	**2.56**		**2.56**		<0.57	U	<9.1	U	<8.4	U	NS
Methyl Methacrylate	NT		NT		NT		NT		NT		NT		<0.48	U	<7.6	U	<7	U	NS
Methyl tert-butyl ether (MTBE)	<0.721	U	<0.721	U	<0.721	U	<20.2	U	<0.721	U	<0.721	U	<0.42	U	<6.7	U	<6.2	U	<0.25 - 5.6
Methylene chloride	<3.47	U	<3.47	U	<3.47	U	<97.3	U	<3.47	U	<3.47	U	**4.20**	**D**	**110**	**D**	<12	U	60[1]
n-Heptane	**0.869**		**7.01**		**5.82**		<23	U	**4.26**		**2.15**		<0.48	U	<7.6	U	<7	U	1 - 7.6
n-Hexane	**1.62**		**10.2**		**9.55**		<19.8	U	**6.24**		**2.36**		<0.41	U	**28**	**D**	<6	U	0.63 - 6
o-Xylene	**0.895**		**6.17**		**5.73**		<24.4	U	**4.17**		**3.16**		<0.51	U	<8.1	U	<7.4	U	0.39 - 3.1
p- & m- Xylenes	**2.26**		**15.6**		**14.4**		<48.6	U	**11.3**		**9.56**		<1	U	<16	U	<15	U	0.5 - 4.6
p-Ethyltoluene	NT		NT		NT		NT		NT		NT		<0.57	U	<9.1	U	<8.4	U	NS
Propylene	NT		NT		NT		NT		NT		NT		<0.2	U	<3.2	U	**17.00**	**D**	NS
Styrene	<0.852	U	**2.16**		<0.852	U	<23.9	U	**1.18**		<0.852	U	<0.5	U	<7.9	U	<7.3	U	<0.25 - 0.6
Tetrachloroethylene	NT		NT		NT		NT		NT		NT		**10**	**D**	<3.2	U	<2.9	U	30[2]
Tetrahydrofuran	<1.52	U	<1.52	U	<1.52	U	**42.4**		<1.52	U	<1.52	U	<0.69	U	<11	U	<10	U	<0.25 - 0.3
Toluene	**3.58**		**22**		**20.1**		21.1	U	**19.2**		**13.9**		<0.44	U	7	U	**9**	**D**	3.5 - 24.8
trans-1,2-Dichloroethylene	<0.793	U	<0.793	U	<0.793	U	<22.2	U	<0.793	U	<0.793	U	<0.46	U	<7.4	U	<6.8	U	NS
trans-1,3-Dichloropropylene	<0.908	U	<0.908	U	<0.908	U	<25.5	U	<0.908	U	<0.908	U	<0.53	U	<8.4	U	<7.8	U	<0.25
Trichloroethylene	<0.107	U	**0.715**		**0.709**		<30.1	U	<0.107	U	**2.78**		**6.90**	**D**	<2.5	U	<2.3	U	5(1)
Trichlorofluoromethane (Freon 11)	**1.7**		**7.42**		**7.42**		**663**		**5.73**		**7.19**		**26**	**D**	**89**	**D**	<9.6	U	1.1 - 5.4
Vinyl acetate	NT		NT		NT		NT		NT		NT		<0.41	U	<6.5	U	<6	U	NS
Vinyl bromide	<0.874	U	<0.874	U	<0.874	U	<24.5	U	<0.874	U	<0.874	U	<0.51	U	<8.1	U	<7.5	U	NS
Vinyl Chloride	<0.051	U	**0.087**		**0.077**		<14.3	U	<0.511	U	<0.511	U	<0.3	U	<4.8	U	<4.4	U	<0.25

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

APPENDICES

Appendix-A: Previous Reports

542 WEST 29TH STREET
MANHATTAN, NEW YORK
BLOCK 00700, LOT 0057

PHASE II ENVIRONMENTAL SITE ASSESSMENT

PREPARED FOR:

Sean-Sakie holdings LTD
542 West 29th St.
New York, New York 10001

PREPARED BY:

P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

Frank Castellano, PG, Sr. Principal
Thomas Melia, Project Manager

frankc@pwgrosser.com
thomasm@pwgrosser.com

PWGC Project Number: SSH1401

MAY 2014

PHASE II ENVIRONMENTAL SITE ASSESSMENT
542 WEST 29TH STREET, MANHATTAN, NEW YORK

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1.0 INTRODUCTION

P.W. Grosser Consulting, Inc. (PWGC) has prepared this report to document the results of the Phase II Environmental Site Assessment (ESA) performed for the property located at 542 West 29th Street, Manhattan, New York. The scope of work for this Phase II ESA was based upon a Phase I ESA for the site prepared by AEI Consultants (AEI) dated April 2, 2008. The scope of work included collection and analysis of soil, groundwater, indoor air and soil vapor samples.

1.1 Site Background

The subject site is located at 542 West 29th Street in the Chelsea neighborhood of Manhattan, New York (Block 00700, Lot 0057 on the New York City Tax Map). The property measures approximately 4,937 square feet and is improved with one single-story commercial building that occupies the entire footprint of the site. The building is currently used as a wholesale fish market. Based on the Phase I ESA, the property was previously used as a auto repair shop from approximately 1945 to 1995.

The site is located at an elevation of approximately 12 feet above sea level. Groundwater is present at approximately eight feet below grade at the site. Based on topographic and hydrogeologic conditions, regional groundwater flow beneath the site appears to be toward the west.

A Vicinity Map is included as **Figure 1**; a Site Plan is included as **Figure 2**.

1.2 Environmental History

1.2.1 Phase I ESA

The AEI Phase I ESA identified the following Recognized Environmental Conditions (RECs) associated with the subject property:

- According to New York State Department of Environmental Conservation (NYSDEC) records, petroleum and solvent impact to groundwater was identified at an adjacent property to the south (539 to 545 West 28th Street). The identified impact was determined to be related to an undetermined offsite source, likely an auto repair shop. The subject property was historically used as an auto repair facility; several other auto repair facilities are located in the general vicinity of the subject property as well. Investigation of this adjacent site identified potential groundwater impact in the vicinity of the subject property, but no evidence of soil impact.
- A closed NYSDEC spills site is located upgradient of the subject property (524 West 29th Street, NYSDEC Spill 0307633). According to the Phase I ESA, NYSDEC records indicate that residual groundwater

impact may be present at this site, and may be migrating onto the subject property.

Based on the findings of the AEI Phase I ESA, PWGC recommended a Phase II ESA consisting of the following:

- Collection and analysis of soil and groundwater samples from throughout the site to identify potential onsite source areas and/or groundwater impact related to offsite sources.
- Collection and analysis of soil vapor and indoor air samples to evaluate whether a soil vapor intrusion condition is present at the subject property.

2.0 FIELD ACTIVITIES

Based on review of the ASE Phase I ESA, PWGC performed a Phase II ESA consisting of the collection and analysis of soil, groundwater, air and soil vapor samples.

2.1 Subsurface Investigation

To evaluate subsurface soil and groundwater conditions at the site, PWGC installed five soil borings throughout the property. Based on information in the Phase I ESA, the investigation focused primarily on potential VOC impact to soil and groundwater, as that is what had been documented at the adjacent property. Drilling services were provided by Associated Environmental Services, Ltd. (AES) of Hauppauge, New York.

Soil borings were installed using a limited access Geoprobe® direct-push drill rig outfitted with a macro-core sampler and disposable acetate liners. Non-dedicated sampling equipment was decontaminated with a laboratory grade detergent and clean water rinse. Soil samples were field screened for the presence of volatile organic compounds (VOCs) with a photo-ionization detector (PID). Groundwater was encountered at approximately eight feet below grade. Soil boring locations are illustrated in **Figure 2**; soil boring logs are included as **Appendix A**.

2.1.1 Soil Sampling

Five soil borings (SB001 to SB005) were installed throughout the site. At each boring location, soil samples were collected continuously from grade to the top of the water table (approximately 8 feet below grade), or until refusal was encountered.

Recovered soils consisted primarily of fine-grained sand; evidence of fill material (e.g., brick fragments) were identified throughout the site. Elevated PID responses were not detected in soils collected from the site. Based on field screening, soil samples were collected at each boring location from the deepest two-foot interval above the water table. At location SB002, refusal was encountered at 3.5 feet below grade (sampled from 1.5 to 3.5 feet); at location SB003 refusal was encountered at 1.5 feet below grade (no sample collected due to no soil recovery).

2.1.2 Groundwater Sampling

Following soil sample collection, three groundwater samples were collected from the site. Groundwater samples were collected from boring locations SB001, SB004 and SB005. Groundwater was collected through a four-foot stainless steel screen set at the top of the water table.

2.1.3 Sample Analysis

A total of four soil samples and three groundwater sample were collected for laboratory analysis. Samples were contained in pre-cleaned, pre-preserved, laboratory supplied glassware, stored in a cooler with ice, and submitted to Alpha Analytical of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP ID 11148).

Soil and groundwater samples were analyzed for VOCs by USEPA Method 8260.

2.2 Soil Vapor Intrusion Evaluation

To evaluate potential soil vapor intrusion (SVI) at the subject property, PWGC collected three soil vapor samples, three indoor air samples, and one outdoor (ambient) air sample from the site. Air sampling was performed in accordance with NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006). Due to a technical problem with the sample canister and/or flow controller, no air was collected in the canister at indoor air sample location IA003.

Sub slab soil vapor and air samples were collected using laboratory provided, batch certified clean, SUMMA® vacuum canisters fitted with a pre-set flow regulator. Canisters were pre-set with an initial vacuum of approximately 29 inches of mercury (in. of Hg) for sample collection and flow regulators were pre-set to provide uniform sample collection over an approximate two-hour sampling period. Sample collection was ceased (i.e., the valve on the canister closed) with a minimum of one inch of Hg vacuum remained in the canister, leaving a vacuum in the canister as a means for the laboratory to verify the canister did not leak while in transit.

2.2.1 Sub-Slab Soil Vapor Sampling

At each sub slab soil vapor sample location, a small diameter hole was cut in the concrete slab. Sub slab soil vapor sampling ports were constructed by installing dedicated polyethylene tubing to a depth of two inches below the concrete slab at each sample location. Porous, inert backfill material was added to create a sampling zone. Each sampling point was sealed above the sampling zone with bentonite slurry, to prevent ambient air infiltration.

Approximately one to three implant volumes was purged from each soil vapor sampling point prior to sample collection. A tracer gas (helium) was used prior to and subsequent to sample collection to verify that adequate sampling techniques were used and that the implant seal did not leak. The sample flow rate did not exceed

0.2 liters per minute. Soil vapor samples were collected directly into SUMMA® vacuum canisters over a two hour period.

2.2.2 *Indoor Air Sampling*

At each soil vapor sampling location, PWGC also collected one indoor air sample. Indoor air samples were collected directly into SUMMA® vacuum canisters over a two hour period. Sample canisters were placed in the breathing zone (three to five feet above floor level) at each sample location. Indoor air and soil vapor samples were collected concurrently.

2.2.3 *Ambient Air Sampling*

To evaluate background air quality in the vicinity of the site, PWGC collected one outdoor air sample. Outdoor air samples were collected directly into SUMMA® vacuum canisters over a two hour period. Sample canisters were placed in the breathing zone (three to five feet above floor level) outside the property in the upwind direction. Outdoor air samples were collected concurrently with indoor air and soil vapor.

2.2.4 *Sample Analysis*

Air samples were collected in batch certified clean SUMMA® vacuum canisters provided by the analytical laboratory. Sample analysis was provided by Alpha Analytical of Mansfield, Massachusetts, a NYSDOH ELAP certified laboratory (ELAP ID: 11627). Air samples were analyzed for VOCs by USEPA Method TO-15.

3.0 ANALYTICAL RESULTS

Soil sample analytical data are compared to the NYSDEC Unrestricted Soil Cleanup Objectives (SCOs) specified in 6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives (December 2006). Groundwater analytical results are compared to the AWQS specified in TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998). Air sample analytical data are compared to the Air Guideline Values (AGV) and Soil Vapor/Indoor Air Matrices specified in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006.

Analytical data are summarized in **Table 1, Table 2** and **Table 3**; a copy of the laboratory analytical report is included as **Appendix B**.

3.1 Soil Sample Analytical Results

Four soil samples were collected from the site. No staining, odors or elevated PID response was detected in collected soils. With the exception of acetone, VOCs were not detected at concentrations exceeding Unrestricted Use SCOs in soil samples collected from the site. Acetone was detected at a concentration exceeding its Unrestricted Use SCO of 50 ppb at boring locations SB002 and SB005. Acetone is a common laboratory reagent, and its presence in soil samples at the site is likely the result of laboratory contamination. Concentrations of acetone detected at the site were below the Restricted Residential SCO of 100,000 ppb.

3.2 Groundwater Sample Analytical Results

Three groundwater samples were collected from the site. With the exception of benzene and MTBE in the sample collected from location SB001, VOCs were not detected at concentrations exceeding their respective AWQS in groundwater samples collected form the site.

Contaminants detected at location SB001 (benzene, MTBE) are gasoline constituents. Based on the lack of evidence of an onsite source of impact, and the documented presence of residual groundwater impact associated with a gasoline release at a nearby upgradient NYSDEC Spill site (524 West 29th Street), it appears likely that VOC impact in groundwater at the subject property is related to an offsite source.

3.3 Air Sample Analytical Results

PWGC collected two soil vapor and two indoor air samples from the site. Samples were analyzed for VOCs by USEPA Method TO-15.

3.3.1 Indoor Air Data Summary

NYSDOH AGVs are generally applicable to indoor and ambient air concentrations. VOCs were not detected at

concentrations exceeding their respective AGVs in indoor air samples collected from the site. Based on analytical data, it does not appear that a soil vapor intrusion condition currently exists at the site.

3.3.2 Soil Vapor Intrusion Evaluation

NYSDOH has established Soil Vapor/Indoor Air Matrices to compare VOC concentrations in indoor air and soil vapor to determine whether soil vapor intrusion is a potential issue for a site and/or whether further evaluation or mitigation measures are necessary. NYSDOH decision matrices have been established for tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene, cis-1,2-dichloroethene, 1,1,1-trichloroethane, carbon tetrachloride, and vinyl chloride. Copies of NYSDOH decision matrices are included in **Appendix C**.

Based on evaluation of air sample lab data, and NYSDOH matrices, it does not appear that a soil vapor intrusion condition exists at the site. With the exception of TCE and carbon tetrachloride, the range of concentrations for VOCs at the site fell within the "no further action" category on the decision matrices. Due to slightly elevated concentrations in indoor air for TCE and carbon tetrachloride, these compounds fell within the "take reasonable and practical measures to identify sources and reduce exposures". It should be noted that carbon tetrachloride concentrations in indoor air were comparable to what was detected in ambient air indicating that its presence may be due to a regional issue rather than a site specific issue.

4.0 CONCLUSIONS AND RECOMMENDAITONS

PWGC has prepared this report to document the results of the Phase II ESA performed for the property located at 542 West 29th Street, Manhattan, New York. The scope of work for this Phase II ESA was based upon a Phase I ESA for the site prepared by AEI dated April 2, 2008. The scope of work included collection and analysis of soil, groundwater, indoor air and soil vapor samples.

4.1 Conclusions

4.1.1 Soil and Groundwater

Four soil samples were collected from the site. No evidence of impact such as staining, odors, and/or PID response was identified in collected soils. With the exception of acetone (a common laboratory contaminant), VOCs were not identified at concentrations exceeding NYSDEC Unrestricted Use SCOs in soil samples submitted for laboratory analysis.

Three groundwater samples were collected from the site. Multiple petroleum (gasoline) related VOCs were detected in one sample at concentrations exceeding their respective NYSDEC AWQS. Based on the nature of the compounds detected, and information regarding the nearby NYSDEC spill site to the east of the subject property, it appears that groundwater impact is related to an offsite, upgradient source. As such, in the event that groundwater remediation is necessary, it would likely be the responsibility of the party that caused the release (e.g., property owner at upgradient source location).

4.1.2 Indoor Air and Soil Vapor

Two indoor air and three soil vapor samples were collected from the site. VOCs were not detected at concentrations exceeding NYSDOH AGVs in indoor air at the subject property. Based on evaluation of indoor air and sub slab soil vapor data using NYSDOH decision matrices, potential sources of TCE and carbon tetrachloride should be evaluated at the site.

4.2 Recommendations

Based on the findings of this Phase II ESA, PWGC offers the following recommendations:

- Based on soil vapor/indoor air data, potential sources of VOC impact (TCE, carbon tetrachloride) to indoor air should be evaluated and eliminated if possible. These compounds are commonly found in industrial solvents. Any materials stored onsite containing these compounds should be stored in tightly sealed containers and/or in well ventilated areas.

FIGURES

TABLES

Table 1

Soil Sample Analytical Data Summary - Volatile Organic Compounds
542 West 29th Street, New York, New York

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	Unrestricted Use SCO[1]	SB-1 (6-8) 5/14/2014 L1410502-01	SB-2 (1.5-3.5) 5/14/2014 L1410502-02	SB-4 (6-8) 5/14/2014 L1410502-03	SB-5 (6-8) 5/14/2014 L1410502-04
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	630-20-6	NS	1.2 U	1.3 U	1.8 U	1.8 U
1,1,1-Trichloroethane	71-55-6	680	1.2 U	1.3 U	1.8 U	1.8 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	1.2 U	1.3 U	1.8 U	1.8 U
1,1,2-Trichloroethane	79-00-5	NS	1.8 U	2 U	2.8 U	2.8 U
1,1-Dichloroethane	75-34-3	270	1.8 U	2 U	2.8 U	2.8 U
1,1-Dichloroethene	75-35-4	330	1.2 U	1.3 U	1.8 U	1.8 U
1,1-Dichloropropene	563-58-6	NS	6.2 U	6.7 U	9.3 U	9.2 U
1,2,3-Trichlorobenzene	87-61-6	NS	6.2 U	6.7 U	9.3 U	9.2 U
1,2,3-Trichloropropane	96-18-4	NS	12 U	13 U	18 U	18 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	4.9 U	5.3 U	7.4 U	7.4 U
1,2,4-Trichlorobenzene	120-82-1	NS	6.2 U	6.7 U	9.3 U	9.2 U
1,2,4-Trimethylbenzene	95-63-6	3600	6.2 U	6.7 U	9.3 U	9.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NS	6.2 U	6.7 U	9.3 U	9.2 U
1,2-Dibromoethane	106-93-4	NS	4.9 U	5.3 U	7.4 U	7.4 U
1,2-Dichlorobenzene	95-50-1	1100	6.2 U	6.7 U	9.3 U	9.2 U
1,2-Dichloroethane	107-06-2	20	1.2 U	1.3 U	1.8 U	1.8 U
1,2-Dichloropropane	78-87-5	NS	4.3 U	4.7 U	6.5 U	6.4 U
1,3,5-Trimethylbenzene	108-67-8	8400	6.2 U	6.7 U	9.3 U	9.2 U
1,3-Dichlorobenzene	541-73-1	2400	6.2 U	6.7 U	9.3 U	9.2 U
1,3-Dichloropropane	142-28-9	NS	6.2 U	6.7 U	9.3 U	9.2 U
1,4-Dichlorobenzene	106-46-7	1800	6.2 U	6.7 U	9.3 U	9.2 U
1,4-Diethylbenzene	105-05-5	NS	4.9 U	5.3 U	7.4 U	7.4 U
1,4-Dioxane	123-91-1	100	120 U	130 U	180 U	180 U
2,2-Dichloropropane	594-20-7	NS	6.2 U	6.7 U	9.3 U	9.2 U
2-Butanone	78-93-3	120	12 U	3.6 J	18 U	18 U
2-Hexanone	591-78-6	NS	12 U	13 U	18 U	18 U
4-Ethyltoluene	622-96-8	NS	4.9 U	5.3 U	7.4 U	7.4 U
4-Methyl-2-pentanone	108-10-1	NS	12 U	13 U	18 U	18 U
Acetone	67-64-1	50	11 J	74	24	66
Acrylonitrile	107-13-1	NS	12 U	13 U	18 U	18 U
Benzene	71-43-2	60	1.2 U	1.3 U	1.8 U	1.8 U
Bromobenzene	108-86-1	NS	6.2 U	6.7 U	9.3 U	9.2 U
Bromochloromethane	74-97-5	NS	6.2 U	6.7 U	9.3 U	9.2 U
Bromodichloromethane	75-27-4	NS	1.2 U	1.3 U	1.8 U	1.8 U
Bromoform	75-25-2	NS	4.9 U	5.3 U	7.4 U	7.4 U
Bromomethane	74-83-9	NS	2.5 U	2.7 U	3.7 U	3.7 U
Carbon disulfide	75-15-0	NS	12 U	13 U	18 U	18 U
Carbon tetrachloride	56-23-5	760	1.2 U	1.3 U	1.8 U	1.8 U
Chlorobenzene	108-90-7	1100	1.2 U	1.3 U	1.8 U	1.8 U
Chloroethane	75-00-3	NS	2.5 U	2.7 U	3.7 U	3.7 U
Chloroform	67-66-3	370	1.8 U	2 U	1.3 J	2.8 U
Chloromethane	74-87-3	NS	6.2 U	6.7 U	9.3 U	9.2 U
cis-1,2-Dichloroethene	156-59-2	250	1.2 U	1.3 U	1.8 U	1.8 U
cis-1,3-Dichloropropene	10061-01-5	NS	1.2 U	1.3 U	1.8 U	1.8 U
Dibromochloromethane	124-48-1	NS	1.2 U	1.3 U	1.8 U	1.8 U
Dibromomethane	74-95-3	NS	12 U	13 U	18 U	18 U
Dichlorodifluoromethane	75-71-8	NS	12 U	130	18 U	18 U
Ethyl ether	60-29-7	NS	6.2 U	6.7 U	9.3 U	9.2 U
Ethylbenzene	100-41-4	1000	1.2 U	1.3 U	1.8 U	1.8 U
Hexachlorobutadiene	87-68-3	NS	6.2 U	6.7 U	9.3 U	9.2 U
Isopropylbenzene	98-82-8	NS	1.2 U	1.3 U	1.8 U	1.8 U
Methyl tert butyl ether	1634-04-4	930	2.5 U	2.7 U	3.7 U	3.7 U
Methylene chloride	75-09-2	50	2.8 J	3.2 J	4 J	6.8 J
n-Butylbenzene	104-51-8	12000	1.2 U	1.3 U	1.8 U	1.8 U
n-Propylbenzene	103-65-1	3900	1.2 U	1.3 U	1.8 U	1.8 U
Naphthalene	91-20-3	12000	6.2 U	6.7 U	9.3 U	9.2 U
o-Chlorotoluene	95-49-8	NS	6.2 U	6.7 U	9.3 U	9.2 U
o-Xylene	95-47-6	260	2.5 U	2.7 U	3.7 U	3.7 U
p-Chlorotoluene	106-43-4	NS	6.2 U	6.7 U	9.3 U	9.2 U
p-Isopropyltoluene	99-87-6	NS	1.2 U	1.3 U	1.8 U	1.8 U
p/m-Xylene	179601-23-1	260	2.5 U	2.7 U	3.7 U	3.7 U
sec-Butylbenzene	135-98-8	11000	1.2 U	1.3 U	1.8 U	1.8 U
Styrene	100-42-5	NS	2.5 U	2.7 U	3.7 U	3.7 U
tert-Butylbenzene	98-06-6	5900	6.2 U	6.7 U	9.3 U	9.2 U
Tetrachloroethene	127-18-4	1300	1.2 U	1.3 U	1.8 U	1.8 U
Toluene	108-88-3	700	1.8 U	2 U	2.8 U	2.8 U
trans-1,2-Dichloroethene	156-60-5	190	1.8 U	2 U	2.8 U	2.8 U
trans-1,3-Dichloropropene	10061-02-6	NS	1.2 U	1.3 U	1.8 U	1.8 U
trans-1,4-Dichloro-2-butene	110-57-6	NS	6.2 U	6.7 U	9.3 U	9.2 U
Trichloroethene	79-01-6	470	1.2 U	1.3 U	1.8 U	1.8 U
Trichlorofluoromethane	75-69-4	NS	6.2 U	7.1	9.3 U	9.2 U
Vinyl acetate	108-05-4	NS	12 U	13 U	18 U	18 U
Vinyl chloride	75-01-4	20	2.5 U	2.7 U	3.7 U	3.7 U
Xylene (Total)	1330-20-7	260	2.5 U	2.7 U	3.7 U	3.7 U

Notes:
All Concentrations are ppb (ug/kg)
1 - Unrestricted Use SCO, 6NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
Highlighted values exceed Unrestricted Use SCO

Table 2

Groundwater Sample Analytical Data Summary - Volatile Organic Compounds
542 West 29th Street, New York, New York

LOCATION SAMPLING DATE LAB SAMPLE ID	CAS Number	AWQS[1]	SB-1 (GW) 5/14/2014 L1410502-05	SB-4 (GW) 5/14/2014 L1410502-06	SB-5 (GW) 5/14/2014 L1410502-07
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	630-20-6	5	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	71-55-6	5	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	1	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	75-34-3	5	0.87 J	2.5 U	0.7 J
1,1-Dichloroethene	75-35-4	5	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	563-58-6	5	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	87-61-6	5	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	96-18-4	0.04	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	2 U	2 U	2 U
1,2,4-Trichlorobenzene	120-82-1	5	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	95-63-6	5	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	106-93-4	0.0006	2 U	2 U	2 U
1,2-Dichlorobenzene	95-50-1	3	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	107-06-2	0.6	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	5	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	541-73-1	3	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	142-28-9	5	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	106-46-7	3	2.5 U	2.5 U	2.5 U
1,4-Dioxane	123-91-1	NS	250 U	250 U	250 U
2,2-Dichloropropane	594-20-7	5	2.5 U	2.5 U	2.5 U
2-Butanone	78-93-3	50	5 U	5 U	5 U
2-Hexanone	591-78-6	50	5 U	5 U	5 U
4-Methyl-2-pentanone	108-10-1	NS	5 U	5 U	5 U
Acetone	67-64-1	50	4.6 J	5 U	2 J
Acrylonitrile	107-13-1	5	5 U	5 U	5 U
Benzene	71-43-2	1	1.4	0.5 U	0.5 U
Bromobenzene	108-86-1	5	2.5 U	2.5 U	2.5 U
Bromochloromethane	74-97-5	5	2.5 U	2.5 U	2.5 U
Bromodichloromethane	75-27-4	50	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	50	2 U	2 U	2 U
Bromomethane	74-83-9	5	2.5 U	2.5 U	2.5 U
Carbon disulfide	75-15-0	60	5 U	5 U	5 U
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U
Chlorobenzene	108-90-7	5	2.5 U	2.5 U	2.5 U
Chloroethane	75-00-3	5	2.5 U	2.5 U	2.5 U
Chloroform	67-66-3	7	2.5 U	2.5 U	2.5 U
Chloromethane	74-87-3	NS	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	156-59-2	5	2.5 U	0.88 J	2.5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	0.5 U	0.5 U	0.5 U
Dibromochloromethane	124-48-1	50	0.5 U	0.5 U	0.5 U
Dibromomethane	74-95-3	5	5 U	5 U	5 U
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	5 U
Ethyl ether	60-29-7	NS	2.5 U	2.5 U	2.5 U
Ethylbenzene	100-41-4	5	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	87-68-3	0.5	2.5 U	2.5 U	2.5 U
Isopropylbenzene	98-82-8	5	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	1634-04-4	10	11	1.1 J	1.8 J
Methylene chloride	75-09-2	5	2.5 U	2.5 U	2.5 U
n-Butylbenzene	104-51-8	5	2.5 U	2.5 U	2.5 U
n-Propylbenzene	103-65-1	5	2.5 U	2.5 U	2.5 U
Naphthalene	91-20-3	10	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	95-49-8	5	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	106-43-4	5	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	105-05-5	NS	2 U	2 U	2 U
p-Ethyltoluene	622-96-8	NS	2 U	2 U	2 U
p-Isopropyltoluene	99-87-6	5	2.5 U	2.5 U	2.5 U
p/m-Xylene	179601-23-1	5	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	135-98-8	5	2.5 U	2.5 U	2.5 U
Styrene	100-42-5	5	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	98-06-6	5	2.5 U	2.5 U	2.5 U
Tetrachloroethene	127-18-4	5	0.5 U	0.5 U	0.5 U
Toluene	108-88-3	5	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	156-60-5	5	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	10061-02-6	0.4	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	110-57-6	5	2.5 U	2.5 U	2.5 U
Trichloroethene	79-01-6	5	0.5 U	0.33 J	0.5 U
Trichlorofluoromethane	75-69-4	5	2.5 U	2.5 U	2.5 U
Vinyl acetate	108-05-4	NS	5 U	5 U	5 U
Vinyl chloride	75-01-4	2	1 U	1 U	1 U
Xylenes, Total	1330-20-7	5	2.5 U	2.5 U	2.5 U

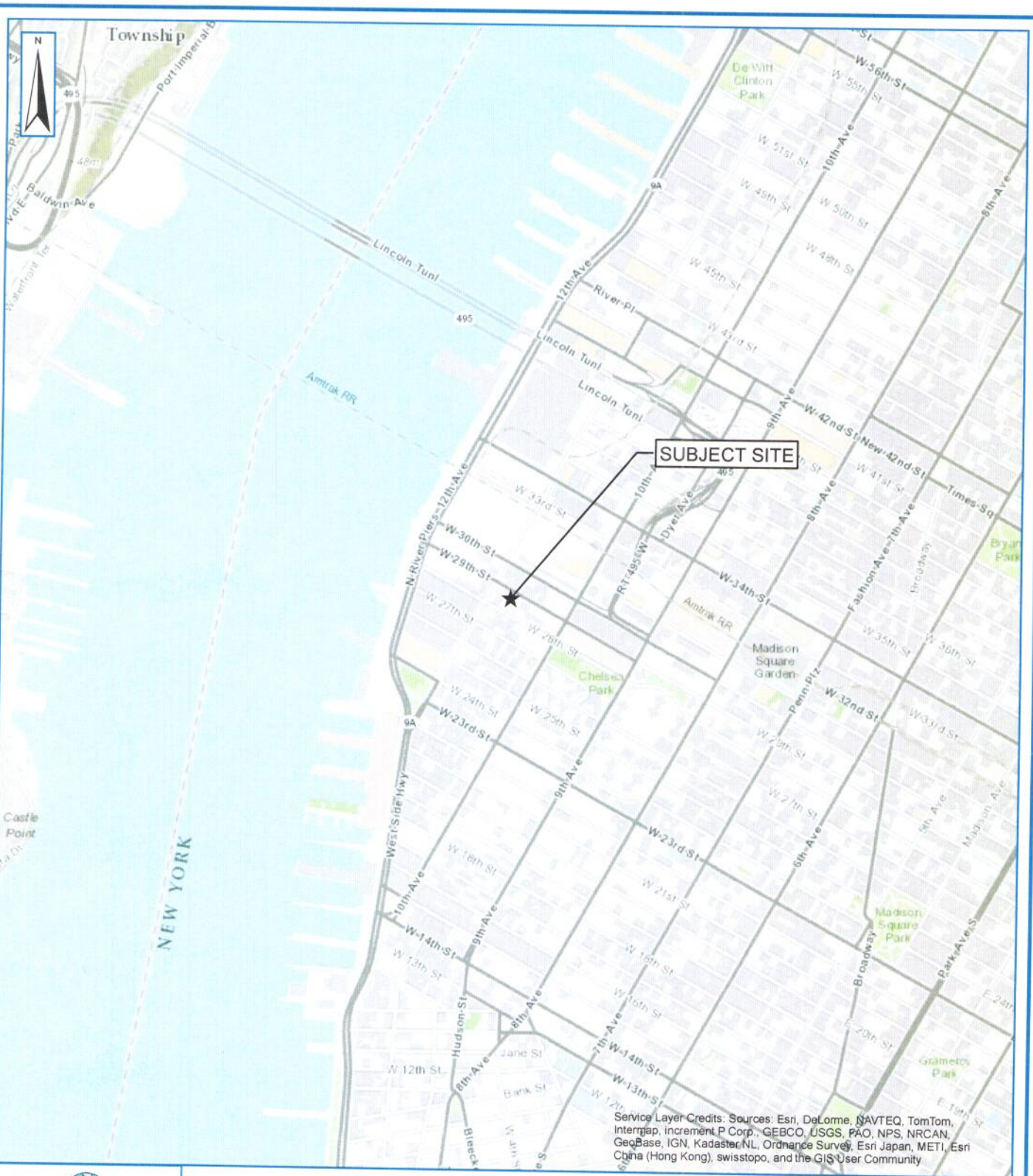
Notes:
All Concentrations are ppb (ug/L)
1 - Ambient Water Quality Standard, NYSDEC TOGS 1.1.1, Ambient Water Quality Standards and Groundwater Effluent Limitations
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
NS - No standard established
Highlighted values exceed AWQS

Table 3

Soil Vapor Sample Analytical Data Summary - Volatile Organic Compounds
542 West 29th Street, New York, New York

LOCATION	CAS	NYSDOH	NYSDOH	OA-1	IA-1	IA-2	SS-1	SS-2	SS
SAMPLING DATE	Number	AGV[1]	Matrix	5/14/2014	5/14/2014	5/14/2014	5/14/2014	5/14/2014	5/14/
LAB SAMPLE ID				L1410518-07	L1410518-04	L1410518-05	L1410518-01	L1410518-02	L1410
SAMPLE TYPE				Ambient Air	Indoor Air	Indoor Air	Soil Vapor	Soil Vapor	Soil V
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	NS	2	0.109 U	0.109 U	0.109 U	30.6 U	3.18	12
1,1,2,2-Tetrachloroethane	79-34-5	NS	NA	1.37 U	1.37 U	1.37 U	38.5 U	1.37 U	1.37
1,1,2-Trichloroethane	79-00-5	NS	NA	1.09 U	1.09 U	1.09 U	30.6 U	1.09 U	1.09
1,1-Dichloroethane	75-34-3	NS	NA	0.809 U	0.809 U	0.809 U	22.7 U	0.809 U	1.07
1,1-Dichloroethene	75-35-4	NS	2	0.079 U	0.079 U	0.079 U	22.2 U	0.793 U	0.793
1,2,4-Trichlorobenzene	120-82-1	NS	NA	1.48 U	1.48 U	1.48 U	41.6 U	1.48 U	1.48
1,2,4-Trimethylbenzene	95-63-6	NS	NA	1.03	9.88	8.65	27.6 U	4.29	2.52
1,2-Dibromoethane	106-93-4	NS	NA	1.54 U	1.54 U	1.54 U	43.1 U	1.54 U	1.54
1,2-Dichlorobenzene	95-50-1	NS	NA	1.2 U	1.2 U	1.2 U	33.7 U	1.2 U	1.2
1,2-Dichloroethane	107-06-2	NS	NA	0.809 U	0.809 U	0.809 U	22.7 U	0.809 U	0.809
1,2-Dichloropropane	78-87-5	NS	NA	0.924 U	0.924 U	0.924 U	25.9 U	0.924 U	0.924
1,3,5-Trimethylbenzene	108-67-8	NS	NA	0.983 U	2.93	2.57	27.6 U	1.25	0.983
1,3-Butadiene	106-99-0	NS	NA	1.04	0.442 U	0.442 U	12.4 U	0.442 U	1.84
1,3-Dichlorobenzene	541-73-1	NS	NA	1.2 U	1.2 U	1.2 U	33.7 U	1.2 U	1.2
1,4-Dichlorobenzene	106-46-7	NS	NA	1.2 U	1.2 U	1.2 U	33.7 U	1.2 U	1.2
1,4-Dioxane	123-91-1	NS	NA	0.721 U	0.721 U	0.721 U	20.2 U	0.721 U	0.721
2,2,4-Trimethylpentane	540-84-1	NS	NA	1.63	7.52	6.63	26.2 U	3.95	1.14
2-Butanone	78-93-3	NS	NA	1.42	4.81	3.8	16.5 U	6.69	10.9
2-Hexanone	591-78-6	NS	NA	0.82 U	0.82 U	0.82 U	23 U	0.943	2.21
3-Chloropropene	107-05-1	NS	NA	0.626 U	0.626 U	0.626 U	17.6 U	0.626 U	0.626
4-Ethyltoluene	622-96-8	NS	NA	0.983 U	2.71	2.45	27.6 U	1.33	0.983
4-Methyl-2-pentanone	108-10-1	NS	NA	0.82 U	0.82 U	0.82 U	23 U	0.82 U	0.82
Acetone	67-64-1	NS	NA	10.9	2.38 U	2.38 U	297	344	401
Benzene	71-43-2	NS	NA	1.68	24.2	19.6	17.9 U	10.7	2.72
Benzyl chloride	100-44-7	NS	NA	1.04 U	1.04 U	1.04 U	29 U	1.04 U	1.04
Bromodichloromethane	75-27-4	NS	NA	1.34 U	2.36	2.13	37.6 U	1.34 U	1.34
Bromoform	75-25-2	NS	NA	2.07 U	2.07 U	2.07 U	58 U	2.07 U	2.07
Bromomethane	74-83-9	NS	NA	0.777 U	0.777 U	0.777 U	21.8 U	0.777 U	0.777
Carbon disulfide	75-15-0	NS	NA	0.623 U	0.623 U	0.623 U	17.5 U	1.86	4.86
Carbon tetrachloride	56-23-5	NS	1	0.415	0.465	0.491	35.3 U	1.26 U	1.26
Chlorobenzene	108-90-7	NS	NA	0.921 U	0.921 U	0.921 U	25.8 U	0.921 U	0.921
Chloroethane	75-00-3	NS	NA	0.528 U	0.528 U	0.528 U	14.8 U	0.528 U	0.528
Chloroform	67-66-3	NS	NA	0.977 U	20.9	18.2	27.4 U	10.7	27
Chloromethane	74-87-3	NS	NA	1.44	1.01	0.964	11.6 U	0.535	0.413
cis-1,2-Dichloroethene	156-59-2	NS	2	0.266	0.198	0.25	22.2 U	0.793 U	0.793
cis-1,3-Dichloropropene	10061-01-5	NS	NA	0.908 U	0.908 U	0.908 U	25.5 U	0.908 U	0.908
Cyclohexane	110-82-7	NS	NA	0.688 U	9.67	8.23	19.3 U	6.54	1.96
Dibromochloromethane	124-48-1	NS	NA	1.7 U	1.7 U	1.7 U	47.8 U	1.7 U	1.7
Dichlorodifluoromethane	75-71-8	NS	NA	1.86	4.78	2.79	27.7 U	2.36	3.29
Ethanol	64-17-5	NS	NA	27.7	4.71 U	4.71 U	132 U	4.71 U	4.71
Ethyl Acetate	141-78-6	NS	NA	1.8 U	2.34	1.8 U	50.5 U	1.8 U	1.8
Ethylbenzene	100-41-4	NS	NA	0.869 U	5.99	5.3	24.4 U	3.83	2.75
Freon-113	76-13-1	NS	NA	1.53 U	1.53 U	1.53 U	43 U	1.53 U	1.53
Freon-114	76-14-2	NS	NA	1.4 U	1.4 U	1.4 U	39.2 U	1.4 U	1.4
Heptane	142-82-5	NS	NA	0.869	7.01	5.82	23 U	4.26	2.15
Hexachlorobutadiene	87-68-3	NS	NA	2.13 U	2.13 U	2.13 U	59.8 U	2.13 U	2.13
Isopropanol	67-63-0	NS	NA	2.56	1.23 U	1.23 U	34.4 U	1.23 U	1.23
Methyl tert butyl ether	1634-04-4	NS	NA	0.721 U	0.721 U	0.721 U	20.2 U	0.721 U	0.721
Methylene chioride	75-09-2	60	NA	3.47 U	3.47 U	3.47 U	97.3 U	3.47 U	3.47
n-Hexane	110-54-3	NS	NA	1.62	10.2	9.55	19.8 U	6.24	2.36
o-Xylene	95-47-6	NS	NA	0.895	6.17	5.73	24.4 U	4.17	3.16
p/m-Xylene	179601-23-1	NS	NA	2.26	15.6	14.4	48.6 U	11.3	9.56
Styrene	100-42-5	NS	NA	0.852 U	2.16	0.852 U	23.9 U	1.18	0.852
Tertiary butyl Alcohol	75-65-0	NS	NA	1.52 U	1.52 U	1.52 U	42.4 U	1.52 U	1.52
Tetrachloroethene	127-18-4	30	2	0.814	2.67	2.82	38 U	1.48	1.36
Tetrahydrofuran	109-99-9	NS	NA	0.59 U	1.02	0.864	16.5 U	0.985	0.885
Toluene	108-88-3	NS	NA	3.58	22	20.1	21.1 U	19.2	13.9
trans-1,2-Dichloroethene	156-60-5	NS	NA	0.793 U	0.793 U	0.793 U	22.2 U	0.793 U	0.793
trans-1,3-Dichloropropene	10061-02-6	NS	NA	0.908 U	0.908 U	0.908 U	25.5 U	0.908 U	0.908
Trichloroethene	79-01-6	5	1	0.107 U	0.715	0.709	30.1 U	1.07 U	2.78
Trichlorofluoromethane	75-69-4	NS	NA	1.7	7.42	7.42	663	5.73	7.19
Vinyl bromide	593-60-2	NS	NA	0.874 U	0.874 U	0.874 U	24.5 U	0.874 U	0.874
Vinyl chloride	75-01-4	NS	1	0.051 U	0.087	0.077	14.3 U	0.511 U	0.511

Notes:
All Concentrations are ug/m3
1 - Air Guideline Values, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (applies to indoor/ambient air only)
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.



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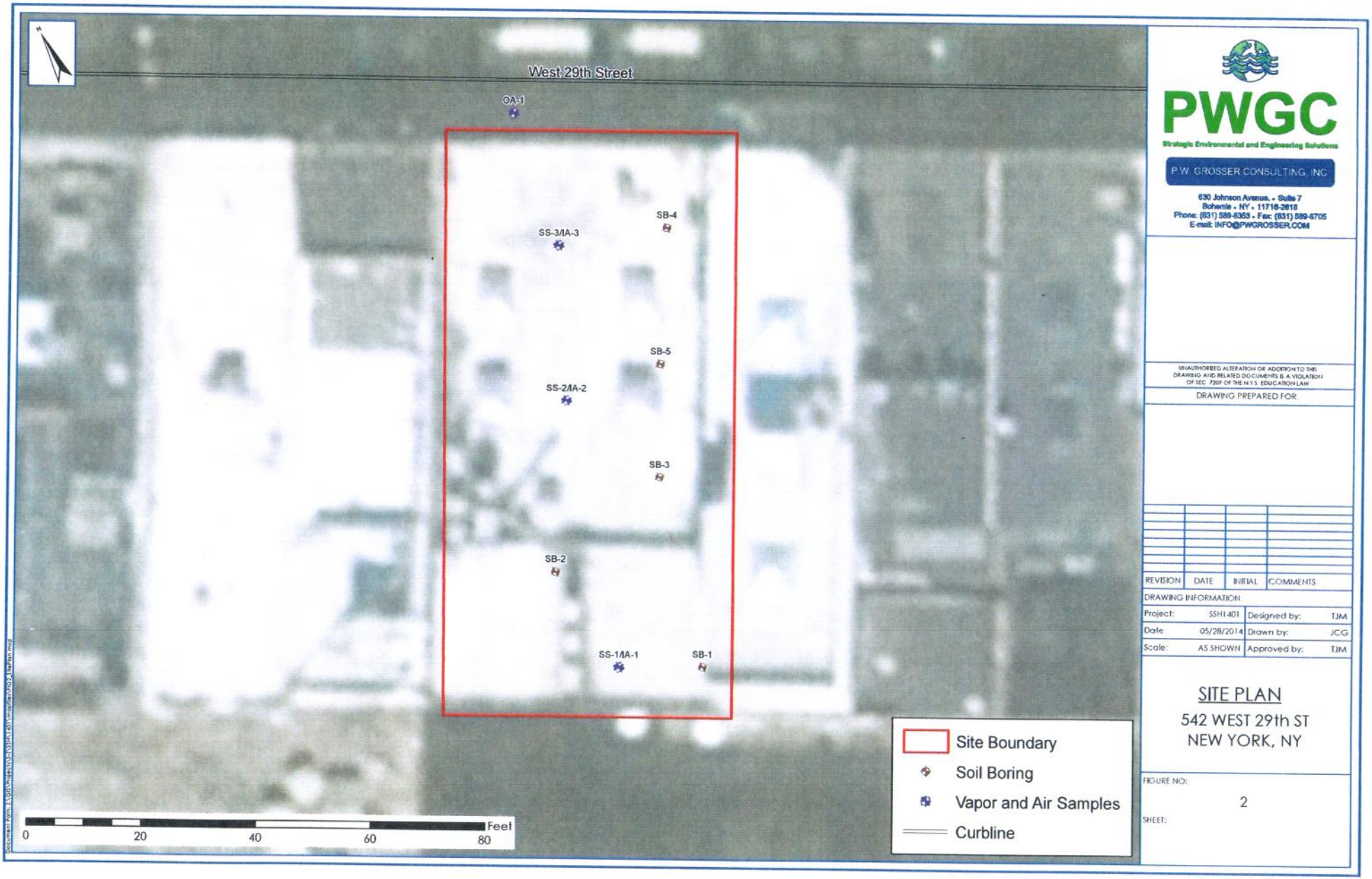
PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

SUBJECT SITE VICINITY

542 WEST 29th ST
NEW YORK, NY

0 ¼ ½ ¾ 1 Miles

Project:	SSH1401
Date:	05/28/2014
Designed by:	TJM
Drawn by:	JCG
Approved by:	TJM
Figure No:	1



PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC
630 Johnson Avenue, - Suite 7
Bohemia - NY - 11716-2618
Phone: (631) 589-6353 - Fax: (631) 589-6705
E-mail: INFO@PWGROSSER.COM

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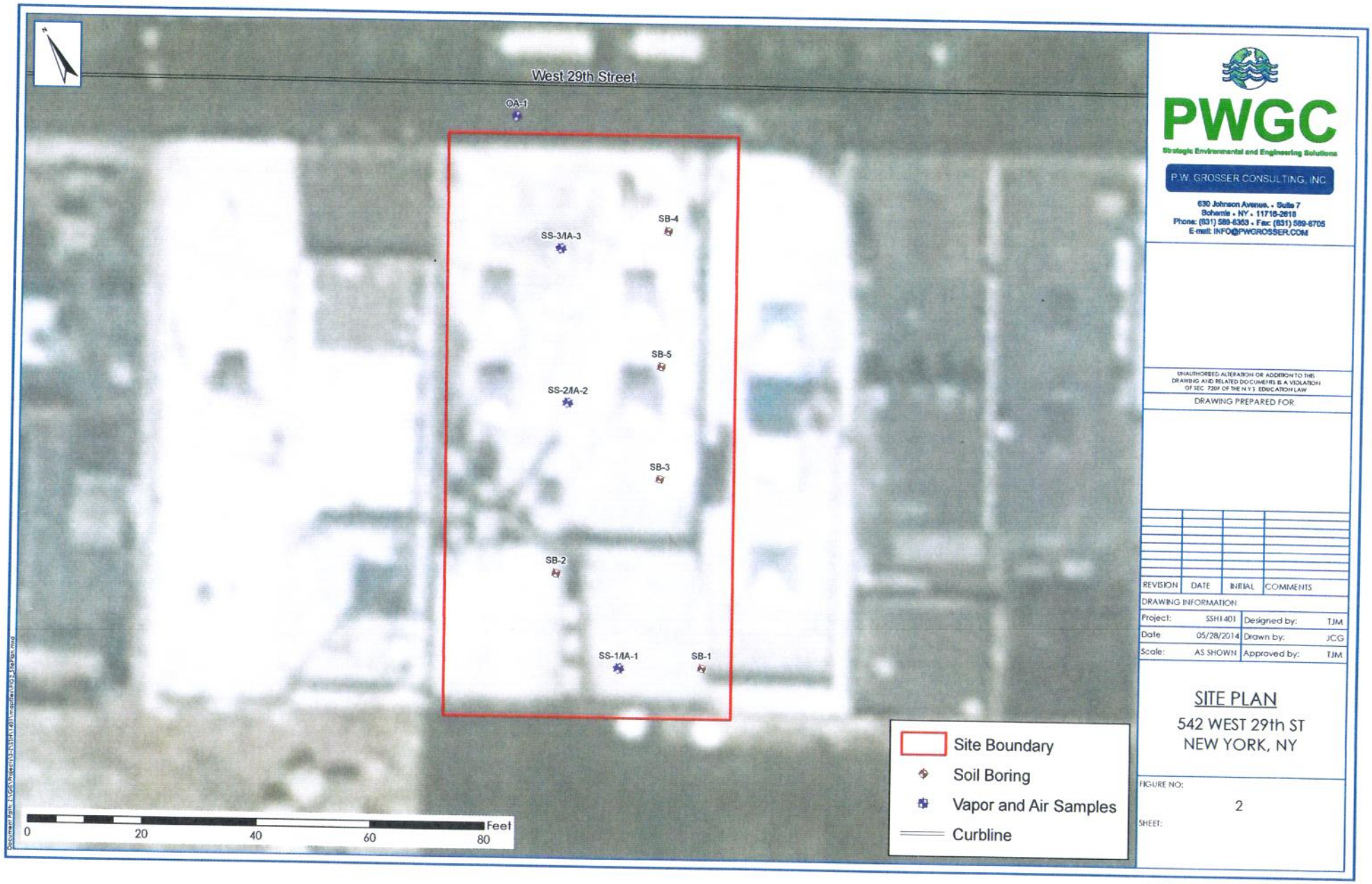
Project:	SSH1401	Designed by:	TJM
Date:	05/28/2014	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	TJM

SITE PLAN

542 WEST 29th ST
NEW YORK, NY

FIGURE NO: 2

SHEET:



PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue. - Suite 7
Bohemia - NY - 11716-2618
Phone: (631) 589-6353 - Fax: (631) 589-6705
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Project:	SSH1401	Designed by:	TJM
Date	05/28/2014	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	TJM

SITE PLAN

542 WEST 29th ST
NEW YORK, NY

FIGURE NO: 2

SHEET:

AEI Consultants
Environmental & Engineering Services

April 2, 2014

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Property Identification:
Sean-Sakie Holdings LTD / 14-000598-04
542 West 29th Street
New York, New York County, New York 10001

AEI Project No. 328402
CNB No. 14-000598-04-01
Loan No. n/a

Prepared for:
Robert Mogster
Senior Vice President
Real Estate Appraisal Department
City National Bank
555 South Flower Street, 10th Floor
Los Angeles, California 90071

Prepared by:
AEI Consultants
30 Montgomery Street, Suite 220
Jersey City, New Jersey 07302
(201) 332-1844

San Francisco HQ
Atlanta
Chicago
Dallas
Denver
Irvine
Los Angeles
Miami
New York
Phoenix
Portland
San Jose

PROJECT SUMMARY

Sean-Sakie Holdings LTD / 14-000598-04
542 West 29th Street, New York, New York County, New York

Report Section		No Further Action	REC	CREC	HREC	Environmental Issues	Non-ASTM Considerations	Recommended Action
2.1	Current use of subject property	X						
2.2	Adjoining property information		X					Phase II Subsurface Investigation
3.1	Historical Summary		X					Phase II Subsurface Investigation
4.0	Regulatory Agency Records Review		X					Phase II Subsurface Investigation
5.0	Regulatory Database Records Review		X			X		No further action for the Environmental Issue, see above for the REC
5.2	Vapor Encroachment		X					Phase II Subsurface Investigation
6.3	Previous Reports	X						
7.0	Site Inspection and Reconnaissance	X						
7.2.1	Asbestos-Containing Materials	X					X	
7.2.2	Lead-Based Paint	X					X	
7.2.3	Radon	X						
7.2.4	Lead in Drinking Water	X						
7.2.5	Mold	X						

AEI Consultants

EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by City National Bank to conduct a Phase I Environmental Site Assessment (ESA), in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 542 West 29th Street in the City of New York, New York County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report.

PROPERTY DESCRIPTION

The subject property, which consists of a seafood wholesale facility, is located on the south side of West 29th Street in a mixed commercial and residential area of New York, New York. The property totals approximately 0.11 acres (4,937 square feet) and is improved with a two-story building totaling approximately 7,000 square feet, and constructed slab-on-grade. The subject property is currently occupied by Gotham Seafood Corporation. On-site operations include seafood wholesale and associated office-based administrative operations. The building encompasses the full subject property; therefore no other improvements were noted.

According to historical sources, the current subject property building was constructed in 1945 for use as an auto repair facility, without the second story and southern portion where the present-day coolers are located. The mezzanine was constructed in 1983 and legalized as the second story in 1994. The building was utilized as an auto repair facility through 1994. In 1995, the property was purchased by Gotham Seafood Corporation and utilized as a seafood wholesaler. In 2000, the walk-in coolers were constructed over the then-existing backyard. Prior to the construction of the building, the property was unimproved, utilized as a lumber storage yard from 1909 to 1944. From at least 1890 to 1909, the property was developed with two three-story buildings abutting West 29th Street and one two-story building and one four-story building set back along the southern edge of the property, none of which are identified in historical sources, however based on the sizes of the buildings, they appear to be residential and/or retail. Historical use prior to 1890 was not reasonably ascertainable.

The subject property was identified in the regulatory database as a New York (NY) Environmental (E) Designation site, and is further discussed in Section 5.1.

The immediately surrounding properties consist of the following:

Direction from Site	Address-Tenant/Use
North	West 29th Street, followed by Manhattan Mini Storage (541 West 29th Street)
South	Avalon West Chelsea and AVA High Line apartments under construction (525 West 28th Street)
East	Martos Gallery (540 West 29th Street)
West	Cynthia Broan Gallery (546 West 29th Street)

The adjacent site to the north (identified as 302 11th Avenue, Taxblock 701, Lot 1) was identified in the regulatory database as a NY E Designation site. The adjacent site to the south (identified as Avalon West Chelsea at 282 11th Avenue and 525 West 28th Street) was identified in the regulatory database as a NY Spills, Manifest, and Resource Conservation and Recovery Act Non Generator/No Longer Regulated (RCRA-NonGen/NLR) site. The adjacent site to the

east (identified as 540 West 29th Street, Taxblock 700, Lot 56) was identified in the regulatory database as a NY E Designation and EDR Historical Auto Station site. The adjacent site to the west (identified as 546 West 29th Street, Taxblock 700, Lot 59) was identified in the regulatory database as a NY E Designation and EDR Historical Auto Station site. Please refer to Section 5.1.

Based upon subsurface investigations performed at the southern adjacent site discussed in the regulatory database, the direction of groundwater flow beneath the subject property is inferred to be to the west and present at an estimated depth of 10 feet below ground surface (bgs).

FINDINGS

Recognized Environmental Conditions (RECs) are defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. AEI's assessment has revealed the following RECs associated with the subject property or nearby properties:

- According to the regulatory database and prior reports provided by the New York State Department of Environmental Conservation (NYSDEC), subsurface contamination was reported in 2007 during the redevelopment of the Avalon West Chelsea apartment building on the southern adjacent property. Many of the buildings which were demolished for the redevelopment were auto repair facilities and commercial parking lots/garages. Elevated levels of petroleum contaminants, as well as highly degraded chlorinated contaminants were found in soil and groundwater. The chlorinated solvents were found mostly on the far eastern side of the site and determined to be likely derived from an upgradient automotive repair operations or from an upgradient former metal fabrication operation east of the site along 28th Street. Since there were many auto repair facilities in the vicinity, the sources of the petroleum contamination were not directly identified. The regulatory database indicates that John McGuire, the subject property owner, was interviewed during the investigation of this site. Mr. McGuire indicated that no oil was stored on the subject property since at least 1995 when he purchased it. No further investigation into the subject property as being a source was indicated. The properties located at 524 and 548 29th Street, both auto repair facilities, were suspected sources, however investigations into those facilities were inconclusive. A test pit was performed in February 2012 directly south of the subject property in which soil with strong petroleum odors which were noticeable from approximately 100 feet away was encountered. A test pit performed directly south of 548 West 29th Street found no evidence of contamination in the vadose zone, but strong gasoline odors in the saturated zone, indicating that the source was off-site and migrated via groundwater from the north. Subsurface sampling was performed in January 2012 which included obtaining groundwater and soil samples from temporary monitoring wells approximately 10 feet west of the subject property boundary (tMW-1) and approximately 30 feet southeast of the subject property boundary (tMW-3). Petroleum contaminants were found to be highly exceeding the NYSDEC standards in both soil and groundwater. Additionally, the chlorinated contaminant, Cis-1,2-Dichloroethene was found in the tMW-1 groundwater sample slightly exceeding the NYSDEC standard. The petroleum contamination in these temporary monitoring wells was expected to be migrating from the general vicinity of the subject property to the north. Remediation via in situ chemical oxidation was conducted at the southern adjacent site in May 2013. Following treatment,

soil samples were collected and all samples met the soil cleanup objectives; however groundwater impacts above the targeted guidelines still remained. As of January 16, 2014, at least two more quarters of groundwater monitoring was requested, and the spill case remains open. Based on the petroleum-contaminated soils and saturated zone which were found near the subject property and believed to be migrating from an off-site source to the north, it can be inferred that contamination exists at the subject property. As the subject property operated as an auto repair facility from 1945 until 1994 (approximately 50 years and partially during a time period pre-dating hazardous material regulatory reporting requirements), AEI cannot rule out the possibility that historical on-site operations contributed to the subsurface contamination. In addition, based on the likely petroleum contaminants and possible chlorinated contaminants in the subsurface, there is an additional risk potentially presented by vapor intrusion. This represents a recognized environmental condition and warrants further investigation.

- A facility listed as "Closed-Lack of Recent Info" at 524 West 29th Street was identified in the regulatory database as a NY LTANKS and NY Spills site. This site is located approximately 260 feet southeast (hydrologically cross to up-gradient) of the subject property. According to the regulatory database, a release was reported at this site on October 20, 2003 due to petroleum-contaminated soil and groundwater encountered when one 4,000-gallon and one 550-gallon gallon gasoline USTs were removed. Depth to groundwater was encountered at 8-9 feet bgs and flowing northwest. Elevated levels of benzene, xylene, MTBE, and toluene were found in soil and groundwater samples. Air Sparge/Soil Vapor Extraction (AS/SVE) remediation techniques were performed. In November 2011, sampling was conducted and the maximum volatile organic compounds (VOCs) was 117.3 µg/L with several compounds slightly above the standards, the greatest being naphthalene at a concentration of 36 µg/L, above the standard of 10 µg/L. The AS/SVE system was turned on and ran for four weeks. Air samples were collected after the four weeks and all targeted VOCs were non-detected. Groundwater contamination had been greatly reduced and the AS/SVE system reached asymptotic recovery rates. Additional remediation was not warranted or feasible. The spill case was closed on March 12, 2012. Based on the facility's close proximity to the subject property, residual contamination allowed to remain in the subsurface and the groundwater flow direction, it is AEI's opinion that a VEC cannot be ruled out. Based on the location of this site in relation to the Avalon West Chelsea site discussed above, it is likely that groundwater contamination at this site is commingled with and/or possibly contributing to the groundwater contamination found at the Avalon West Chelsea site.

Controlled Recognized Environmental Conditions (CRECs) are defined by the ASTM Standard Practice E1527-13 as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. AEI's assessment has revealed the following CRECs associated with the subject property or nearby properties:

- No on-site CRECs were identified during the course of this assessment.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory

authority, without subjecting the property to any required controls. AEI's assessment has revealed the following HRECs associated with the subject property or nearby properties:

- No on-site HRECs were identified during the course of this assessment.

Environmental Issues include environmental concerns identified by AEI that warrant discussion, but do not qualify as recognized environmental conditions, as defined by the ASTM Standard Practice E1527-13. These can include, but are not limited to risks which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of the subject property. AEI's investigation has revealed the following environmental issues associated with the subject property or nearby properties:

- The subject property, identified as E-Number E-142 is listed in the regulatory database as E-designation in association with Air Quality (HVAC fuel limited to natural gas), Noise (window and wall attenuation and alternate ventilation), and Hazardous Materials (Underground Gasoline Storage Tanks Testing Protocol). The subject property and most of its vicinity were issued these E-designations in the *Proposed Modifications to Special West Chelsea District Zoning Map and Test Amendments Application at New York City Council (N 050161(A) ZRM)*, dated June 22, 2005. An E-designation provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination, high ambient noise levels or air emission concerns on a particular tax lot. E-designations are administered by the New York City Office of Environmental Remediation (OER). E-designations, governed by Section 11-15 (Environmental Requirements) of the Zoning Resolution, are established in connection with a change in zoning or an action pursuant to a provision of the Zoning Resolution that would allow additional development to occur on property, or would permit uses not currently allowed. According to the OER an E-designation can occur because the property was used as or is in close proximity to a gas station or some other underground fuel oil tank; is located in or contiguous to a manufacturing district; has a history of manufacturing uses; is located next to a building with a history of manufacturing uses; is located on a heavily trafficked street or highway; is located next to a railroad; has some other environmental condition on the property or nearby that is a cause for concern. An E-designation is not a notice of a building violation and does not definitively indicate that an underground tank or contamination exists at the property. The E-designation would ensure that testing and any necessary remediation would occur prior to or during the development of such sites, assuring the City that potential adverse impacts in connection with the development of properties within areas proposed for rezoning would be addressed at the time that the sites were developed. If any contaminants are identified then a remedial action plan and health and safety plan must be prepared prior to building development and the issuance of building permits. These designations must be addressed prior to the issuance of building permits and then prior to the issuance of the certificate of occupancy. The HVAC Source Impact Analysis for the subject property indicates that the minimum offset distance from the edge of the roof for the stack location for No. 2 fuel oil is 55 feet and for natural gas is 38 feet. The Noise designation for the subject property requires a 35 decibel (dBA) attenuation and the Build Max L_{10} (noise level in dBA exceeded 10 percent of the observation time) to be 73.9 dBA. Based on this information, no further action is warranted under the E-designation if no changes are planned to the subject property. In the event of renovations or redevelopment which would require soil disturbance or excavation, subsurface sampling would be required to satisfy the Hazardous Materials E-designation.

Non-ASTM Considerations may include the presence of environmental conditions such as asbestos containing materials, lead-based paint, radon, mold, lead in drinking water, etc. which can affect the liabilities and financial obligations of the client, the health & safety of site occupants, and the value and marketability of the subject property. AEI's assessment has revealed the following Non-ASTM considerations associated with the subject property or nearby properties:

- Due to the age of the subject property building, there is a potential that asbestos-containing materials (ACMs) are present. All observed suspect ACMs were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.

- Due to the age of the subject property building, there is a potential that lead-based paint (LBP) is present. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the Occupational Safety and Health Administration (OSHA) lead standard contained in 29 CFR 1910.1025 and 1926.62.

CONCLUSIONS, OPINIONS AND RECOMMENDATIONS

We have performed a Phase I Environmental Site Assessment for the property located at 542 West 29th Street in the City of New York, New York County, New York, in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312). Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. This assessment has revealed no evidence of RECs or CRECs in connection with the property except for those previously identified in the *Findings* section.

AEI recommends a Phase II Subsurface Investigation to determine if subsurface contamination and/or a vapor-phase issue beneath the subject property is present based on the subsurface contamination detected at the southern adjacent property and the nearby property at 524 West 29th Street.

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1.0 INTRODUCTION

This report documents the methods and findings of the Phase I Environmental Site Assessment (ESA) performed in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 542 West 29th Street in the City of New York, New York County, New York (Figure 1: Site Location Map, Figure 2: Site Map, and Appendix A: Property Photographs).

1.1 SCOPE OF WORK

The purpose of the Phase I Environmental Site Assessment is to assist the client in identifying potential environmental liabilities associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property, as well as regulatory non-compliance that may have occurred at the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

The goal of AEI Consultants in conducting the Phase I Environmental Site Assessment was to identify the presence or likely presence of any hazardous substances or petroleum products on the property that may indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into the soil, groundwater, or surface water of the property.

1.2 SIGNIFICANT ASSUMPTIONS

The following assumptions are made by AEI Consultants in this report. AEI Consultants relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI Consultants has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data, or well data from adjacent sites are assumed based on contours depicted on the United States Geological Survey topographic maps. AEI Consultants assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

1.3 LIMITATIONS

Property conditions, as well as local, state, tribal and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI Consultants makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, vapor intrusion, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13.

If requested by the client, these non-scope issues are discussed in Section 7.2. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1) 42 U.S.C § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13.

2) Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

3) 42 U.S.C. 9601(40) and 42 U.S.C. 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted

procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

1.4 LIMITING CONDITIONS/DEVIATIONS

The performance of this Phase I Environmental Site Assessment was limited by the following conditions:

- The User did not complete the ASTM User questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this investigation.

- On March 14, 2014, AEI contacted the New York State Department of Health (NYSDOH), Fire Department of New York (FDNY), and the New York State Department of Environmental Conservation (NYSDEC). However, as of this writing, no response has been received from these agencies. Upon receiving pertinent information in connection with the subject property, AEI will immediately issue an addendum to this report if items of environmental concern are identified.

1.5 DATA GAPS AND DATA FAILURE

According to ASTM E1527-13, data gaps occur when the Environmental Professional is unable to obtain information required, despite good faith efforts to gather such information.

Data failure is one type of data gap. According to ASTM E1527-13 "data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met". Pursuant to ASTM Standards, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier.

The following data gaps were identified during the course of this assessment:

Data Gap:	Historical use dating back to the property's first development was not ascertainable				
Does this data gap affect the EP's ability to identify RECs?		Yes		No	X
Rationale	The earliest historical source reviewed was a Sanborn map dated 1890 which depicts the subject property as being developed with two three-story buildings abutting West 29th Street and one two-story building and one four-story building set back along the southern edge of the property, none of which are identified with specific use. Based on the sizes of the buildings, they appear to be residential and/or retail. Thus, it can be assumed that prior to 1890, the property was likely used for similar purposes, if not undeveloped. Therefore, this data gap is not expected to alter the findings of this assessment.				
Information/ sources consulted	Sanborn Maps, Aerial Photographs, City Directories, Building Records				

1.6 RELIANCE

All reports, both verbal and written, are for the benefit of City National Bank, their client, and their client's assigns and lender. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by City National Bank on March 11, 2014. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

2.0 SITE AND VICINITY DESCRIPTION

2.1 SITE LOCATION AND DESCRIPTION

The subject property, which consists of a seafood wholesale facility, is located on the south side of West 29th Street in a mixed commercial and residential area of New York, New York. The property totals approximately 0.11 acres (4,937 square feet) and is improved with a two-story building totaling approximately 7,000 square feet, and constructed slab-on-grade. The subject property is currently occupied by Gotham Seafood Corporation. On-site operations include seafood wholesale and associated office-based administrative operations. The building encompasses the full subject property; therefore no other improvements were noted.

The subject property was identified in the regulatory database as a New York (NY) Environmental (E) Designation site, and is further discussed in Section 5.1.

The Assessor's Parcel Number (APN) for the subject property is Block 700, Lot 57. According to Mr. John McGuire, subject property owner, heating and cooling systems on the subject property are fueled by natural gas and electricity provided by Consolidated Edison (ConEd), and potable water and sewage disposal are provided by the City of New York.

Refer to Figure 1: Site Location Map, Figure 2: Site Map, and Appendix A: Property Photographs for site location.

2.2 SITE AND VICINITY CHARACTERISTICS

The subject property is located in a mixed commercial and residential area of New York. The immediately surrounding properties consist of the following:

Direction from Site	Address-Tenant/Use
North	West 29th Street, followed by Manhattan Mini Storage (541 West 29th Street)
South	Avalon West Chelsea and AVA High Line apartments under construction (525 West 28th Street)
East	Martos Gallery (540 West 29th Street)
West	Cynthia Broan Gallery (546 West 29th Street)

The adjacent site to the north (identified as 302 11th Avenue, Taxblock 701, Lot 1) was identified in the regulatory database as a NY E Designation site. The adjacent site to the south (identified as Avalon West Chelsea at 282 11th Avenue and 525 West 28th Street) was identified in the regulatory database as a NY Spills, Manifest, and Resource Conservation and Recovery Act Non Generator/No Longer Regulated (RCRA-NonGen/NLR) site. The adjacent site to the east (identified as 540 West 29th Street, Taxblock 700, Lot 56) was identified in the regulatory database as a NY E Designation and EDR Historical Auto Station site. The adjacent site to the west (identified as 546 West 29th Street, Taxblock 700, Lot 59) was identified in the regulatory database as a NY E Designation and EDR Historical Auto Station site. Please refer to Section 5.1.

2.3 PHYSICAL SETTING

Geology: According to information obtained from the US Geological Survey (USGS), the area surrounding the subject property is underlain by metamorphic deposits of the Manhattan Formation, dating from the Ordovician age. Based on a review of the United States Department of Agriculture (USDA) Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as the Urban Land Series. Based on a subsurface investigation performed at the southern adjacent site, most of the soil at the site consists of urban fill material, extending to depths ranging from 4 to 16 feet bgs consisting of mixtures of brick, concrete, ash, cinders, wood, and gravel in a matrix of silty sand.	
USGS Topographic Map:	Weehawken, New Jersey Quadrangle (1995)
Nearest surface water to subject property :	Hudson River/0.25 miles to the west
Gradient Direction/Source:	West / Subsurface investigations at southern adjacent site
Estimated Depth to Groundwater/Source:	10 feet bgs / Subsurface investigations at southern adjacent site

3.0 HISTORICAL REVIEW OF SITE AND VICINITY

3.1 HISTORICAL SUMMARY

Reasonably ascertainable standard historical sources as outlined in ASTM Standard E1527-13 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historic city directories, Sanborn fire insurance maps and agency records is as follows:

Date Range	Subject Property Description/Use	Source(s)
1890-1909	Developed with two three-story buildings abutting West 29th Street and one two-story building and one four-story building set back along the southern edge of the property, none of which are identified. Based on the sizes of the buildings, they appear to be residential and/or retail.	Sanborn Maps, Building Records
1909-1944	Unimproved, utilized as lumber storage	Sanborn Maps, Aerials, Building Records
1945-1982	Developed with the present-day building without the second story, utilized as an auto repair shop and office by Alpine Auto Repair & Machine Shop and Michielini Frank Repairs	Sanborn Maps, Aerials, Building Records, City Directories
1983-1995	Further developed with the mezzanine, continued use as an auto repair shop by Sander WM Co. Inc. Auto Parts and Audio Car	Sanborn Maps, Aerials, Building Records, City Directories
1995-2000	Occupied by Gotham Seafood, utilized for seafood storage and distribution. Mezzanine legalized as second story.	Sanborn Maps, Aerials, Building Records, City Directories
2000-present	Further developed with the southern portion where the present-day coolers are located	Sanborn Maps, Aerials, Building Records, City Directories, Interview

According to historical sources, the current subject property building was constructed in 1945 for use as an auto repair facility, without the second story and southern portion where the present-day coolers are located. The mezzanine was constructed in 1983 and legalized as the second story in 1994. The building was utilized as an auto repair facility through 1994. In 1995, the property was purchased by Gotham Seafood Corporation and utilized as a seafood wholesaler. In 2000, the walk-in coolers were constructed over the then-existing backyard. Prior to the construction of the building, the property was unimproved, utilized as a lumber storage yard from 1909 to 1944. From at least 1890 to 1909, the property was developed with two three-story buildings abutting West 29th Street and one two-story building and one four-story building set back along the southern edge of the property, none of which are identified in historical sources, however based on the sizes of the buildings, they appear to be residential and/or retail. Historical use prior to 1890 was not reasonably ascertainable.

Based on a review of historical sources, the following historical addresses were associated with the subject property: 544 West 29th Street. These addresses were also researched as part of this assessment.

As discussed above, auto repair operations were performed on the subject property from 1945 until 1994. No indication of the presence of fuel or oil storage tanks was found during the site reconnaissance or during the review of historical sources. However, as further discussed in Section 5.1, petroleum hydrocarbon and VOC contamination has been detected in groundwater at the south adjacent property, which appears to have originated in part from an unknown source to the north. As the subject property operated as an auto repair facility from 1945 until 1994 (approximately 50 years and partially during a time period pre-dating hazardous material regulatory reporting requirements), AEI cannot rule out the possibility that historical on-site operations contributed to the subsurface contamination.

If available, copies of historical sources are provided in the report appendices.

3.2 AERIAL PHOTOGRAPH REVIEW

AEI Consultants reviewed aerial photographs of the subject property and surrounding area. Aerial photographs were reviewed for the following years:

Date(s)	Scale	Subject Property Description	Surrounding Area Descriptions
1924	Digital	Appears unimproved	**North:** West 29th Street, followed by a commercial building **South:** Developed with two commercial and/or residential buildings **East:** Developed with a commercial and/or residential building **West:** Developed with a commercial and/or residential building
1951, 1953*, 1954*	Digital	Appears developed with the present-day building without approximately one-third of the southern portion	**North:** No significant changes **South:** The western portion appears unimproved **East:** No significant changes **West:** No significant changes
1966*, 1980*, 1987*, 1996	Digital	No significant changes	**North:** No significant changes **South:** The eastern portion has been redeveloped with a commercial building **East:** No significant changes **West:** No significant changes
2006, 2010	Digital	The southern portion has been added, the building appears at it does presently	**North:** No significant changes **South:** No significant changes **East:** No significant changes **West:** No significant changes
2012	Digital	No significant changes	**North:** No significant changes **South:** The large present-day apartment building appears to be in the beginning stages of development **East:** No significant changes **West:** No significant changes

*Due to copyright restrictions, these aerial photographs could not be included in the appendices

3.3 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of Environmental Data Resources' collection of Sanborn Fire Insurance maps.

Sanborn maps were available and reviewed for the years 1890, 1899, 1911, 1930, 1950, 1976, 1979, 1980, 1982, 1985, 1987, 1988, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, and 2005.

Date(s)	Subject Property Description	Surrounding Area Descriptions
1890	Developed with two three-story buildings abutting West 29th Street and one two-story building and one four-story building set back along the southern edge of the property, none of which are identified. Based on the sizes of the buildings, they appear to be residential and/or retail. Addresses include 542-544 West 29th Street	**North:** West 29th Street, followed by multiple four-story buildings likely to be residential **South:** Developed with a facility identified as a factory with the rest of the labeling cut off **East:** Developed with a five-story unidentified building **West:** Developed with a single-story garage in the north and a two-story unidentified building in the south
1899	No significant changes	**North:** No significant changes **South:** No significant changes **East:** No significant changes **West:** The building appears to have been removed
1911	The property appears unimproved with a wood pile in the southern portion	**North:** The eastern portion has been redeveloped with a three-story garage and store house with a 550-gallon gasoline tank depicted in the northeast corner **South:** Appears mostly unimproved, however some of the property is cut off by the map **East:** The building is identified as a dwelling **West:** Redeveloped with a two-story dwelling
1930	Unimproved, identified as a lumber yard	**North:** The building has been further developed to its present-day size, occupied by W & J Sloane Warehouse, utilized as a warehouse, garage, and carpet cleaning, with the gas tank still shown **South:** Redeveloped with the H. Hencken Coal Yard, utilized as coal pockets and lumber storage **East:** Appears to have been redeveloped with a three-story retail and residential building **West:** The dwelling has been further developed to the south and now used as a garage
1950	Redeveloped with what appears to be the present-day two-story building without approximately one-third of the southern portion, identified as a private garage	**North:** No significant changes **South:** No significant changes **East:** No significant changes **West:** The building is identified as a coppersmith

1976, 1979, 1980, 1982, 1985, 1987	No significant changes	**North:** No significant changes **South:** Developed with a building identified as a motor freight station **East:** No significant changes **West:** The building is identified as a motor freight station in 1976 and as commercial thereafter
1988, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, 2005	The building is identified as auto repair	**North:** No significant changes **South:** No significant changes **East:** No significant changes **West:** No significant changes

According to a review of historic Sanborn maps, the northern adjacent property was equipped with a 550-gallon gas tank in the northeast corner of the building from 1911 to 2005. This property was not listed in the regulatory database associated with this tank, nor was any release reported. Based on the lack of a reported release and the inferred direction of groundwater flow, this tank is not expected to represent a significant environmental concern.

3.4 CITY DIRECTORIES

A search of historic city directories was conducted for the subject property by Environmental Data Resources. Directories were available and reviewed for the years 1920, 1923, 1927, 1931, 1934, 1938, 1942, 1947, 1950, 1956, 1958, 1963, 1968, 1973, 1978, 1983, 1988, 1993, 1996, 1998, 2000, 2006, 2008, and 2013. The following table summarizes the results of the city directory search.

City Directory Search Results

Date(s)	Occupant Listed
1947-1978	Alpine Auto Repair & Machine Shop Michielini Frank Repairs
1988	Audio Car (544 West 29th Street)
1988-1993	Sander WM Co Inc Auto Parts
1998-2013	Gotham Seafood Corporation

According to a review of historic city directories, the subject property was first listed in 1947 as Alpine Auto Repair & Machine Shop and Michielini Frank Repairs, until 1978. From 1988 to 1993, the property was occupied by Sander WM Co. Inc. Auto Parts, and was also occupied by Audio Car in 1988. From 1998 to the present, the subject property has been occupied by Gotham Seafood Corporation.

Environmental concerns associated with the historical use of the property are discussed in Section 3.1.

3.5 HISTORICAL TOPOGRAPHIC MAPS

In accordance with our approved scope of services, historical topographic maps were not reviewed as part of this assessment.

3.6 CHAIN OF TITLE

In accordance with our approved scope of services, a Chain of Title search was not performed as part of this assessment.

4.0 REGULATORY AGENCY RECORDS REVIEW

4.1 REGULATORY AGENCIES

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous materials use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to Activity and Use Limitations (AULs), defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

4.1.1 HEALTH DEPARTMENT

On March 14, 2014, AEI contacted the New York Sate Department of Health (NYSDOH) for information on the subject property and nearby sites of concern. Files at this agency may contain information regarding hazardous materials storage, as well as information regarding unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area.

However, as of this writing, no response has been received from the NYSDOH. Upon receiving pertinent information in connection with the subject property, AEI will immediately issue an addendum to this report if items of environmental concern are identified.

4.1.2 FIRE DEPARTMENT

On March 14, 2014, AEI contacted the Fire Department of New York (FDNY) for information on the subject property to identify any evidence of previous or current hazardous material usage.

However, as of this writing, no response has been received from the FDNY. Upon receiving pertinent information in connection with the subject property, AEI will immediately issue an addendum to this report if items of environmental concern are identified.

4.1.3 BUILDING DEPARTMENT

On March 14, 2014, AEI visited the New York City Department of Buildings (NYCDOB) website for information on the subject property in order to identify historical tenants and property use. Please refer to the following table for a listing of permits reviewed:

Building Permits Reviewed

Year(s)	Owner/Applicant	Description of Permit/Building Use
1905	Unknown	Alteration
1909	Unknown	Demolition permit
1944	Unknown	New building
1945	542-544 West 29th Street	Certificate of Occupancy – single-story auto repair shop and office
1967	Unknown	New building
1980	Unknown	Alteration
1994	542-544 West 29th Street	Certificate of Occupancy – auto repair shop and storage on first floor, accessory office on mezzanine
1994	Rudolf Hamar	Permit to legalize mezzanine constructed in 1982-

Year(s)	Owner/Applicant	Description of Permit/Building Use
		1983
1995	John McGuire	Permit to remove interior partitions and install prefabricated refrigerated boxes, change from auto repair shop to food storage use
1996	542-544 West 29th Street	Certificate of Occupancy – food products on first floor, accessory office on mezzanine
1998	John McGuire	Permit for one-story extension to existing food products plant
2012	John McGuire	Replace roof-mounted air conditioning unit

No information indicating current or prior use or storage of hazardous materials, or the existence of AULs was on file for the subject property with the NYCDOB.

4.1.4 Planning Department

On March 14, 2014, AEI visited the New York City Department of City Planning (NYCDCP) website for information on the subject property in order to identify AULs associated with the subject property.

No information indicating the existence of AULs was on file for the subject property with the NYCDCP.

4.1.5 County Assessor Office

On March 14, 2014, AEI visited the New York City Department of Finance, Office of the City Register, Automated City Register Information System (ACRIS) website for information on the subject property in order to determine the earliest recorded date of development and use.

According to the ACRIS website, the assessor's parcel number of the subject property is Block 700, Lot 57. The earliest information listed on ACRIS is a deed transfer from Frank Michielini to WM. Sander Realty Assoc. in 1982. A subsequent deed transfer is listed in 1995 between WM. Sander Realty Assoc. and Sean-Sakie Holdings, Ltd. No uses of the property are identified on ACRIS. The current tax map for the subject property is included in Appendix D.

4.1.6 Department of Oil and Gas

Department of Oil and Gas (DOG) maps concerning the subject property and nearby properties were reviewed. DOG maps contain information regarding oil and gas development.

According to the New York State Department of Environmental Conservation (NYSDEC) Minerals Map, there are no oil or gas wells within 500 feet of the subject property. No environmental concerns were noted during the DOG map review.

4.1.7 Other Agencies Searched

On March 14, 2014, AEI contacted the New York State Department of Environmental Conservation (NYSDEC) for information regarding hazardous materials storage, as well as information regarding unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area.

However, as of this writing, no response has been received from the NYSDEC. Upon receiving pertinent information in connection with the subject property, AEI will immediately issue an addendum to this report if items of environmental concern are identified.

AEI also requested information from the NYSDEC regarding the subsurface investigations and remediation efforts being performed at the southern adjacent property, Avalon West Chelsea.

The NYSDEC provided AEI with reports titled *Analytical Forensic & Hydrogeological Investigation* dated May 15, 2012 and *Groundwater Investigation Report* dated February 16, 2012, both by Fleming Lee Shue. The reports discuss the latest subsurface sampling which included obtaining soil and groundwater samples on January 12, 2012 from temporary monitoring wells located directly south of 546 West 29th Street (tMW-1, located approximately 10 feet west of the subject property boundary) and directly south of 538 West 29th Street (tMW-3, located approximately 30 feet southeast of the subject property boundary). The soil samples were collected between 10 and 11 feet below grade, which was inferred to be the most impacted soil above the water table. The soil contaminants which exceeded the New York Technical and Administrative Guidance Memorandum (NY TAGM) Allowable Soil Concentrations are listed in the table below:

Contaminant	NYSDEC Standards	tMW-1	tMW-3
Benzene	60	2260	292
Ethylbenzene	1000	38200	17100
Naphthalene	12000	29300	11900
n-Propylbenzene	3900	16800	8540
1,2,4-Trimethylbenzene	3600	117000	55100
1,3,5-Trimethylbenzene	8400	34800	17000
M,p-Xylene	260	162000	65900
o-Xylene	260	533	21300
Xylene (total)	260	163000	87200

All units are in milligrams per kilogram (mg/kg)

Groundwater contaminant concentrations which exceeded the NYSDEC Class GA Ambient Water Quality Standards and Guidance Values are listed in the table below:

Contaminant	NYSDEC Standards	tMW-1	tMW-3
Benzene	1	490	492
Sec-Butylbenzene	5	6.4	8.1
Cis-1,2-Dichloroethene	5	5.4	ND
Ethylbenzene	5	524	538
Isopropylbenzene	5	30.9	58.7
Methyl Tert Butyl Ether	10	15.1	16.2
Naphthalene	10	219	167
Toluene	5	25.9	30.8
Xylene (total)	5	2070	986

All units are in micrograms per liter (µg/L)

The report indicates that based on the ratios of contaminant levels detected along the south side of the properties on West 29th Street to the levels detected in other parts of the southern adjacent property, the contaminant sources are likely to be from facilities on West 29th Street or otherwise north of the site. Based on the high levels of contaminants detected in close proximity to the subject property, it is likely that subsurface contamination also exists at the subject property and represents a recognized environmental condition. Further information regarding this site is included in Section 5.1.

The NYSDEC also provided a *Revised Remedial Action Work Plan* by Fleming Lee Shue, dated September 2012 which summarizes all of the environmental investigations performed at this site beginning in 2005 and the remedial work which has been performed consisting of in situ chemical oxidation. The reports provided by the NYSDEC are included in the appendices.

5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted Environmental Data Resources (EDR) to conduct a search of federal, state, tribal, and local databases containing known and suspected sites of environmental contamination. The number of listed sites identified within the approximate minimum search distance (AMSD) from the Federal and State environmental records database listings specified in ASTM Standard E 1527-13 are summarized in the following table. A copy of the regulatory database report is included in Appendix B of this report.

The subject property was identified in the databases reviewed.

The subject property was identified on the following databases: NY E Designation. See Section 5.1 for additional discussion.

In determining if a site is a potential environmental concern to the subject property in the records summary table below, AEI has applied the following criteria to classify the site(s) as low concern: 1) the site(s) only hold an operating permit (which does not imply a release), 2) the site(s) have been granted "No Further Action" by the appropriate regulatory agency, and/or 3) based upon AEI's review, the distance and/or topographic position relative to the subject property reduce the level of risk associated with the site(s).

5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Subject Property Listed	Total Number of Listings	Recognized Environmental Condition or Environmental Issue (Yes/No)
NPL	1	No	1	No, based on relative distance from the subject property and hydrologic gradient
DELISTED NPL	0.5	No	0	
CERCLIS	0.5	No	1	No, based on relative distance from the subject property and hydrologic gradient
CERCLIS NFRAP	0.5	No	1	No, based on relative distance from the subject property and regulatory status
RCRA CORRACTS	1	No	0	
RCRA-TSD	0.5	No	0	
RCRA LG-GEN, SM-GEN, CESQGs, VGN, NLR	TP/ADJ	No	1	The adjacent property is discussed below
US ENG CONTROLS	TP	No	0	
US INST CONTROLS	TP	No	0	
ERNS	TP	No	0	

Database	Search Distance (Miles)	Subject Property Listed	Total Number of Listings	Recognized Environmental Condition or Environmental Issue (Yes/No)
STATE/TRIBAL HWS / SPILLS	1	No	59	Three Spills sites are further discussed below, the remaining sites are not a concern based on relative distance from the subject property, regulatory status and/or hydrologic gradient
STATE/TRIBAL SWLF	0.5	No	2	No, based on relative distance from the subject property
STATE/TRIBAL REGISTERED STORAGE TANKS	TP/ADJ	No	0	
STATE/TRIBAL LUST	0.5	No	78	One LUST site is further discussed below, the remaining sites are not a concern based on relative distance from the subject property, regulatory status and/or hydrologic gradient
STATE/TRIBAL ENG-INST CONTROLS	TP	No	0	
STATE/TRIBAL VCP	0.5	No	1	No, based on relative distance from the subject property
STATE/TRIBAL BROWNFIELD	0.5	No	6	No, based on relative distance from the subject property
ORPHAN	N/A	No	20	None of the identified orphan sites are located in the immediate vicinity (500-feet) of the subject property, and therefore, these sites are not expected to represent a significant environmental concern.
NON-ASTM DATABASES	TP/ADJ	Yes	7	The subject property and adjacent properties are further discussed below

Site Name: Lot 57, Taxblock 700 Database(s): NY E Designation Address: 542 West 29th Street Distance: Subject Property Direction: Subject Property
Comments: An E-designation provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination, high ambient noise levels or air emission concerns on a particular tax lot. E-designations are administered by the New York City Office of Environmental Remediation (OER). E-designations, governed by Section 11-15 (Environmental Requirements) of the

Zoning Resolution, are established in connection with a change in zoning or an action pursuant to a provision of the Zoning Resolution that would allow additional development to occur on property, or would permit uses not currently allowed. According to the OER an E-designation can occur because the property was used as or is in close proximity to a gas station or some other underground fuel oil tank; is located in or contiguous to a manufacturing district; has a history of manufacturing uses; is located next to a building with a history of manufacturing uses; is located on a heavily trafficked street or highway; is located next to a railroad; has some other environmental condition on the property or nearby that is a cause for concern. An E-designation is not a notice of a building violation and does not definitively indicate that an underground tank or contamination exists at the property. The E-designation would ensure that testing and any necessary remediation would occur prior to or during the development of such sites, assuring the City that potential adverse impacts in connection with the development of properties within areas proposed for rezoning would be addressed at the time that the sites were developed. If any contaminants are identified then a remedial action plan and health and safety plan must be prepared prior to building development and the issuance of building permits. These designations must be addressed prior to the issuance of building permits and then prior to the issuance of the certificate of occupancy. It should be noted that the E-designations do not apply if the application includes minor alteration type work that does not require soil disturbance/excavation, change/installation of windows or façade, stack location, boilers, fuel type, HVAC, or change of use/occupancy or egress.

The subject property, identified as E-Number E-142 is listed in the regulatory database as E-designation in association with Air Quality (HVAC fuel limited to natural gas), Noise (window and wall attenuation and alternate ventilation), and Hazardous Materials (Underground Gasoline Storage Tanks Testing Protocol). The subject property and most of its vicinity were issued these E-designations in the *Proposed Modifications to Special West Chelsea District Zoning Map and Test Amendments Application at New York City Council (N 050161(A) ZRM)*, dated June 22, 2005. The subject property is included in Site 30. The HVAC Source Impact Analysis for Site 30 indicates that the minimum offset distance from the edge of the roof for the stack location for No. 2 fuel oil is 55 feet and for natural gas is 38 feet. The Noise designation for Site 30 requires a 35 decibel (dBA) attenuation and the Build Max L_{10} (noise level in dBA exceeded 10 percent of the observation time) to be 73.9 dBA.

Based on this information, no further action is warranted if no changes are planned to the subject property. In the event of renovations or redevelopment which would require soil disturbance or excavation, subsurface sampling would be required to satisfy the Hazardous Materials E-designation.

Site Name: Lot 1, Taxblock 701
Database(s): NY E Designation
Address: 302 11th Avenue
Distance: Adjacent
Direction: North (cross-gradient)

Comments: This site is listed as an E-designation site in association with the same designations as the subject property. Based on the information discussed in the subject property summary above, it is not expected to represent a significant environmental concern.

Site Name: Lot 56, Taxblock 700
Database(s): NY E Designation, EDR US Hist Auto Stat
Address: 540 West 29th Street
Distance: Adjacent
Direction: East (up-gradient)

Comments: EDR Historical Auto Stations is a list of potential former gas station/ filling station/ service station sites, based on selected national collections of business directories. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/ filling station/ service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

- According to the regulatory database, this site was listed as Starr Auto Repair Shop from 1999 to 2001 and Braunfield Auto Towing 24 Hour from 2010 to 2012. This site was not listed for any spills or releases. Based on this information, this site is not expected to represent a significant environmental concern and a regulatory file review for this site was not deemed necessary.

This site is also listed as an E-designation site in association with the same designations as the subject property. Based on the information discussed in the subject property summary above, it is not expected to represent a significant environmental concern.

Site Name: Lot 59, Taxblock 700
Database(s): NY E Designation, EDR US Hist Auto Stat
Address: 546 West 29th Street
Distance: Adjacent
Direction: West (down-gradient)

Comments: According to the regulatory database, this site was listed as El Hav Taxi Repair Incorporated from 1999 to 2000 and Avi Taxi Repair Inc. from 2005 to 2006. This site was not listed for any spills or releases. Based on this information, this site is not expected to represent a significant environmental concern and a regulatory file review for this site was not deemed necessary.

This site is also listed as an E-designation site in association with the same designations as the subject property. Based on the information discussed in the subject property summary above, it is not expected to represent a significant environmental concern.

Site Name: Avalon West Chelsea
Database(s): NY Spills, Manifest, RCRA-NonGen/NLR
Address: 282 11th Avenue; 525 West 28th Street
Distance: Adjacent
Direction: South (cross-gradient)

Comments: Spills is a listing of sites at which chemical and petroleum spill incidents that may have impacted waters of the state occurred and were reported to the NYSDEC.

- According to the regulatory database, a release was reported at this site on April 16, 2007 during the initial environmental investigations for the redevelopment of this large area as a residential apartment building. Many of the buildings which were demolished for the redevelopment were auto repair facilities and commercial parking lots/garages. A total of 17 underground storage tanks were removed from this area. Groundwater was determined to be located approximately 10 feet below ground surface (bgs) and flowing west. Elevated levels of gasoline contaminants xylene, ethylbenzene, trimethylbenzene, 4-trimethylbenzene, naphthalene, and MTBE were found in groundwater. Additionally, 1-trichloroethane, 1-dichloroethane, 2-dichloroethane, and vinyl chloride were found in groundwater mostly on the far eastern side of the site. These highly degraded chlorinated solvents were determined to be likely derived from an upgradient automotive repair operations or from an upgradient former metal fabrication operation east of the site along 28th Street. Since there were many auto repair facilities in the vicinity, the sources of contamination were not directly identified. The regulatory database indicates that John McGuire, the subject property owner, was interviewed during the investigation of this site. Mr. McGuire indicated that no oil was stored on the subject property since at least 1995 when he purchased it. No further investigation into the subject property as being a source was indicated. The properties

located at 524 and 548 29th Street, both auto repair facilities, were suspected sources, however investigations into those facilities were inconclusive. A test pit was performed in February 2012 directly south of the subject property in which soil with strong petroleum odors was encountered. They continued excavating until 8 feet and very strong odors forced them to stop test pitting due to lack of air respirators and backfill. Odors were noticeable from approximately 100 feet away. A test pit performed directly south of 548 West 29th Street found no evidence of contamination in the vadose zone, but strong gasoline odors in the saturated zone, indicating that the source was off-site and migrated via groundwater from the north. Remediation via in situ chemical oxidation began on May 9, 2013 and was completed on May 16, 2013. In total, 35,432 gallons of oxidant mixture was injected through five injection wells. Following treatment, soil samples were collected and all samples met the soil cleanup objectives. Following treatment, groundwater impacts above the targeted guidelines still remained. As of January 16, 2014, at least two more quarters of groundwater monitoring was requested. The spill case remains open. Based on the petroleum-contaminated soils and saturated zone which were found near the subject property and believed to be migrating from an off-site source, this represents a recognized environmental condition. As the subject property operated as an auto repair facility from 1945 until 1994 (approximately 50 years and partially during a time period pre-dating hazardous material regulatory reporting requirements), AEI cannot rule out the possibility that historical on-site operations contributed to the subsurface contamination. In addition, based on the likely petroleum contaminants and possible chlorinated contaminants in the subsurface, there is an additional risk potentially presented by vapor intrusion.

Comments: Manifest lists and tracks hazardous waste from the generator through transporters to a TSD facility.

- According to the regulatory database, hazardous wastes were transported from this property in dump trucks multiple times in 2012. Based on this information, the hazardous waste was likely contaminated soil which was excavated during the redevelopment of the site. The contaminated soil is further discussed in the spills summary above. No violations were listed in association with these manifests. Documentation of proper storage, transfer, and disposal of hazardous materials is not considered to represent a significant environmental concern.

RCRA Program identifies and tracks hazardous waste from the point of generation to the point of disposal. Non-GEN, or non-generators, are facilities that do not presently generate hazardous waste. NLR, or No Longer Regulated, are facilities that do not presently generate hazardous waste and are not currently regulated.

- According to the regulatory database, this site was identified as a non-generator on September 27, 2012. This site was formerly listed as a Large Quantity Generator on March 6, 2012. No violations were reported in association with these listings, which are also expected to be associated with the removal of contaminated soil. Based on the lack of violations reported, this listing is not expected to represent a significant environmental concern.

Site Name: Midtown Service Center
Database(s): NY Spills
Address: 548 West 29th Street
Distance: ~40 feet
Direction: West (down-gradient)

Comments: Spills is a listing of sites at which chemical and petroleum spill incidents that may have impacted waters of the state occurred and were reported to the NYSDEC.

- According to the regulatory database, a release was reported at this site on May 18, 2012 during the investigation of the Avalon West spill discussed above. One 275-gallon waste oil aboveground storage tank (AST) was observed in this facility with an inch of oil-stained sand at the base. The tank was emptied and the sand removed on a regular basis by a contractor. An abandoned tank

manhole was also observed, however it was determined to actually be a manhole for a former piston lift. Since there was found to be no underground storage tanks, this facility was no longer considered to be a source for gasoline contamination in soil and groundwater associated with the Avalon West spill. The case was closed on June 27, 2012. Although this site is not expected to represent a specific concern to the subject property, as discussed above, the contamination at the south adjacent property which appears to be from an unknown source represents a recognized environmental condition and a likely vapor encroachment condition.

Site Name: Closed-Lackof Recent Info Database(s): NY LTANKS, NY Spills Address: 524 West 29th Street Distance: ~260 feet Direction: Southeast (up-to-cross gradient)
Comments: According to the regulatory database, a release was reported at this site on October 20, 2003 due to petroleum-contaminated soil and groundwater encountered when one 4,000-gallon and one 550-gallon gallon gasoline USTs were removed. Depth to groundwater was encountered at 8-9 feet bgs and flowing northwest. Elevated levels of benzene, xylene, MTBE, and toluene were found in soil and groundwater samples. Air Sparge/Soil Vapor Extraction (AS/SVE) remediation techniques were performed. In November 2011, sampling was conducted and the maximum volatile organic compounds (VOCs) was 117.3 µg/L with several compounds slightly above the standards, the greatest being naphthalene at a concentration of 36 µg/L, above the standard of 10 µg/L. The AS/SVE system was turned on and ran for four weeks. Air samples were collected after the four weeks and all targeted VOCs were non-detected. Groundwater contamination had been greatly reduced and the AS/SVE system reached asymptotic recovery rates. Additional remediation was not warranted or feasible. The spill case was closed on March 12, 2012. Based on the facility's close proximity to the subject property, residual contamination allowed to remain in the subsurface and the groundwater flow direction, it is AEI's opinion that a VEC cannot be ruled out.

5.2 VAPOR ENCROACHMENT

A Tier 1 Vapor Encroachment Screen (VES) pursuant to ASTM E2600-10 was performed as part of this assessment to determine whether a potential *vapor encroachment condition* (VEC) exists at the subject property. The VES included the review of reasonably ascertainable information for the subject and nearby properties. During the course of this assessment, the following sites were identified as a potential source of volatile COCs/Petroleum hydrocarbons.

Site Name/Address	Distance from Subject Property	Hydrologic Direction Relative to Subject Property	VEC Exists	VEC Likely Exists	VEC Cannot be Ruled Out
Avalon West Chelsea / 282 11th Avenue; 525 West 28th Street	Adjacent	Cross		Yes	
Closed-Lackof Recent Info / 524 West 29th Street	Approximately 260 feet	Up			Yes

Potential VECs from the aforementioned sites were discussed in Section 5.1.

6.0 INTERVIEWS AND USER PROVIDED INFORMATION

6.1 INTERVIEWS

Pursuant to ASTM E1527-13, the following interviews were performed during this investigation in order to obtain information indicating RECs in connection with the subject property.

6.1.1 INTERVIEW WITH OWNER

The subject property owner and president of Gotham Seafood, Mr. John McGuire, was contacted in person on March 18, 2014. Mr. McGuire has been associated with the subject property for approximately 20 years. Mr. McGuire indicated that he purchased the property in 1995 for use for the Gotham Seafood operations. Prior to 1995, Mr. McGuire indicated that the property was utilized to repair mechanical equipment in taxi cabs. In 1995, the balcony was added and floor drains connecting to an underground grease trap were installed to separate seafood waste which collects in the drains. The grease trap is routinely cleaned by Roto Rooter. Mr. McGuire indicated that the southern portion of the building where the coolers are located was added in 2000 over the then-existing backyard. Mr. McGuire was asked if he was aware of any of the following:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property.		Yes	X	No
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property.		Yes	X	No
Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.		Yes	X	No
Any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality.		Yes	X	No

6.1.2 INTERVIEW WITH KEY SITE MANAGER

Mr. McGuire also serves as the key site manager.

6.1.3 PAST OWNERS, OPERATORS AND OCCUPANTS

In an attempt to interview past owners, operators and occupants regarding historical on-site operations, AEI requested the contact information for these entities from the subject property owner, Mr. McGuire. Mr. McGuire was unable to provide the contact information for the past owners, operators and occupants. Other methods of researching the contact information for past owners, operators and occupants performed by AEI included reviewing historical agency records and online research. None of these additional research methods provided AEI contact information for past owners, operators and occupants. Consequently, interviews with these entities regarding historical on site operations were not reasonably ascertainable which constitutes a data gap.

6.1.4 INTERVIEW WITH OTHERS

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this section.

6.2 User Provided Information

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to ASTM E1527-13 and EPA's AAI Rule, certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the environmental professional. The responsibility for qualifying for Landowner Liability Protections (LLPs) by conducting the inquiries ultimately rests with the User, and providing the information to the environmental professional would be prudent if such information is available.

The User did not complete the ASTM User questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

6.3 Previous Reports and Other Provided Documentation

No prior reports or relevant documentation in association with the subject property were made available to AEI during the course of this assessment.

7.0 SITE INSPECTION AND RECONNAISSANCE

On March 18, 2014, a site reconnaissance of the subject property and adjacent properties was conducted by Mr. Ben Friedman of AEI in order to obtain information indicating the likelihood of RECs at the subject property and adjacent properties as specified in ASTM Standard Practice E1527-13 §8.4.2, 8.4.3 and 8.4.4. During the on-site reconnaissance, AEI was accompanied by Mr. John McGuire, subject property owner and president of Gotham Seafood. During the on-site reconnaissance, AEI was granted full access to the subject property.

7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

Yes	No	Observation
X		Hazardous Substances and/or Petroleum Products in Connection with Property Use
	X	Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs / USTs)
	X	Hazardous Substance and Petroleum Product Containers and Unidentified Containers not in Connection with Property Use
	X	Unidentified Substance Containers
	X	Electrical or Mechanical Equipment Likely to Contain Fluids
	X	Interior Stains or Corrosion
	X	Strong, Pungent or Noxious Odors
	X	Pools of Liquid
X		Drains, Sumps and Clarifiers
	X	Pits, Ponds and Lagoons
	X	Stained Soil or Pavement
	X	Stressed Vegetation
	X	Solid Waste Disposal or Evidence of Fill Materials
	X	Waste Water Discharges
	X	Wells
	X	Septic Systems
	X	Other

The subject property is currently occupied by Gotham Seafood. On-site operations include seafood wholesale and office-based administrative operations. The above identified observed items are further discussed below.

HAZARDOUS SUBSTANCES AND/OR PETROLEUM PRODUCTS IN CONNECTION WITH PROPERTY USE

Household maintenance supplies such as paints and cleaning supplies are stored in the rear storage area of the second floor. All chemicals were packaged in consumer quantities, and no evidence of staining or material mishandling was observed. Material Safety Data Sheets (MSDSs) for these chemicals are stored in the office area. Based on the nature of these materials, the presence of cleaning and maintenance supplies at the subject property is not expected to represent a significant environmental concern.

DRAINS, SUMPS AND CLARIFIERS

Multiple floor drains were observed in the seafood handling area of the subject property. No hazardous substances or petroleum products were noted in the vicinity of the drains. According to Mr. McGuire, all of the drains lead into a grease trap before discharging into the municipal sewer. The grease trap is utilized to separate seafood waste (such as scales and bones) which enters the drain during the washing process. The grease trap is reportedly routinely cleaned by Roto Rooter. Based on the nature of material entering the drains and the grease trap, the presence of the drains and grease trap is not expected to represent a significant environmental concern.

7.2 NON-ASTM SERVICES

7.2.1 ASBESTOS-CONTAINING BUILDING MATERIALS

OSHA

For buildings constructed prior to 1981, the Code of Federal Regulations (29 CFR 1926.1101 and 29 CFR 1910.1001) define presumed asbestos-containing material (PACM) as 1. Thermal System Insulation (TSI), e.g., boiler insulation, pipe lagging, fireproofing; and 2. Surfacing Materials, e.g., acoustical ceilings. Building owners/employers are responsible for locating the presence and quantity of PACM. Building Owners/employers can rebut installed material as PACM by either having an inspection in accordance with Asbestos Hazard Emergency Response Act (AHERA) (40 CFR Part 763, Subpart E) or hiring an accredited inspector to take bulk samples of the suspect material.

Typical materials not covered by the presumptive rule include but are not limited to: floor tiles and adhesives, wallboard systems, siding and roofing. Building materials such as wallboard systems may contain asbestos but unless a building owner/employer has specific knowledge or should have known through the exercise of due diligence that these other materials contain asbestos, the standard does not compel the building owner to sample these materials.

NESHAP

The applicability of the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Chapter 61, Subpart M) apply to the owner or operator of a facility where an inspection for the presence of asbestos-containing materials (ACM), including Category I (asbestos containing packings, gaskets, resilient floor coverings and asphalt roofing products), and Category II (all remaining types of non-friable asbestos containing material not included in Category I that when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure), non-friable ACM must occur prior to the commencement of demolition or renovation activities. NESHAP defines ACM as any material or product that contains *greater than* 1% asbestos. It should be noted that the NESHAP regulation applies to all facilities regardless of construction date, including: 1. Any institutional, commercial, public, industrial, or residential structure, installation, or building; 2. Any ship; and 3. Any active or inactive waste disposal site. This requirement is typically enforced by the EPA or by local air pollution control/air quality management districts.

The information below is for general informational purposes only and does not constitute an asbestos survey. In addition, the information is not intended to comply with federal, state or local regulations in regards to ACM.

Due to the age of the subject property building, there is a potential that ACMs are present. The condition and friability of the identified suspect ACMs is noted in the following table:

Suspect Asbestos Containing Materials (ACMs)

Material	Location	Friable	Condition
Drywall Systems	Throughout Building Interior	Yes	Good
Boiler Insulation	Boiler on Second Floor	Yes	Good
Vinyl Floor Tile	Second Floor Offices	No	Good
Bathroom Floor Tile	Second Floor Bathroom	No	Good
Textured Ceiling	Second Floor	No	Good
Roofing Systems	Roof	No	Good

All observed suspect ACMs were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. In the event that building renovation or demolition activities are planned, an asbestos survey adhering to AHERA sampling protocol should be performed prior to demolition or renovation activities that may disturb suspect ACMs.

7.2.2 Lead-Based Paint

Lead-based paint (LBP) is defined as any paint, varnish, stain, or other applied coating that has ≥1 mg/cm^2 (5,000 µg/g or 5,000 ppm) or more of lead by federal guidelines; state and local definitions may differ from the federal definitions in amounts ranging from 0.5 mg/cm^2 to 2.0 mg/cm^2. Section 1017 of the Housing and Urban Development (HUD) Guidelines, Residential Lead-Based Paint Hazard Reduction Act of 1992, otherwise known as "Title X", defines a LBP hazard is "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact lead-based paint on most walls and ceilings would not be considered a "hazard", although the paint should be maintained and its condition and monitored to ensure that it does not deteriorate and become a hazard. Additionally, Section 1018 of this law directed HUD and EPA to require the disclosure of known information on lead-based paint and lead-based paint hazards before the sale or lease of most housing built before 1978. Most private housing, public housing, federally owned or subsidized housing are affected by this rule.

Lead-containing paint (LCP) is defined as any paint with any detectable amount of lead present in it. It is important to note that LCP may create a lead hazard when being removed. The condition of these materials must be monitored when they are being disturbed. In the event LCP is subject to abrading, sanding, torching and/or cutting during demolition or renovation activities, there may be regulatory issues that must be addressed.

The information below is for general informational purposes only and does not constitute a lead hazard evaluation. In addition, the information is not intended to comply with federal, state or local regulations in regards to lead-containing paints.

In buildings constructed after 1978, it is unlikely that LBP is present. Structures built prior to 1978 and especially prior to the 1960's should be expected to contain LBP.

Due to the age of the subject property building, there is a potential that LBP is present. All observed painted surfaces were in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Local regulations may apply to LBP in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

7.2.3 Radon

Radon is a naturally-occurring, odorless, invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action limit of 4.0 picoCuries per Liter (pCi/L). It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not requested as part of this assessment. According to the US EPA, the radon zone level for the area is Zone 3, which has a predicted average indoor screening level below 2 pCi/L, below the action level of 4.0 pCi/L set forth by the EPA.

7.2.4 Drinking Water Sources and Lead in Drinking Water

The New York City Department of Environmental Protection (NYCDEP) supplies potable water to the subject property. The most recent water quality report states that lead levels in the areas water supply were non-detect and therefore are well within standards established by the USEPA.

7.2.5 Mold/Indoor Air Quality Issues

Molds are simple, microscopic organisms, which can often be seen in the form of discoloration, frequently green, gray, white, brown or black. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or is not addressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation, and carpeting often play host to such growth. Mold spores primarily cause health problems through the inhalation of mold spores or the toxins they emit when they are present in large numbers. This can occur primarily when there is active mold growth within places where people live or work.

Mold, if present, may or may not visually manifest itself. Neither the individual completing this inspection, nor AEI has any liability for the identification of mold-related concerns except as defined in applicable industry standards. In short, this Phase I ESA should not be construed as a mold survey or inspection.

AEI observed interior areas of the subject property building in order to identify the significant presence of mold. AEI did not note obvious visual or olfactory indications of the presence of mold, nor did AEI observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment and no additional action with respect to mold appears to be warranted at this time.

This activity was not designed to discover all areas which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the subject property. Additional areas of mold not observed as part of this limited assessment, possibly in pipe chases, heating, ventilation and air conditioning (HVAC) systems and behind enclosed walls and ceilings, may be present on the subject property.

7.3 ADJACENT PROPERTY RECONNAISSANCE FINDINGS

Yes	No	Observation
	X	Hazardous Substances and/or Petroleum Products in Connection with Property Use
	X	Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs / USTs)
	X	Hazardous Substance and Petroleum Product Containers and Unidentified Containers not in Connection with Property Use
	X	Unidentified Substance Containers
	X	Electrical or Mechanical Equipment Likely to Contain Fluids
	X	Strong, Pungent or Noxious Odors
	X	Pools of Liquid
	X	Drains, Sumps and Clarifiers
	X	Pits, Ponds and Lagoons
	X	Stained Soil or Pavement
	X	Stressed Vegetation
	X	Solid Waste Disposal or Evidence of Fill Materials
	X	Waste Water Discharges
	X	Wells
	X	Septic Systems
	X	Other

None of the above listed items were observed during the site inspection.

8.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

By signing this report, the senior author declares that, to the best of his or her professional knowledge and belief, he or she meets the definition of *Environmental Professional* as defined in §312.10 of 40 CFR Part 312.

The senior author has the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. The senior author has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40CFR Part 312.

Prepared By:

Ben Friedman
Project Manager

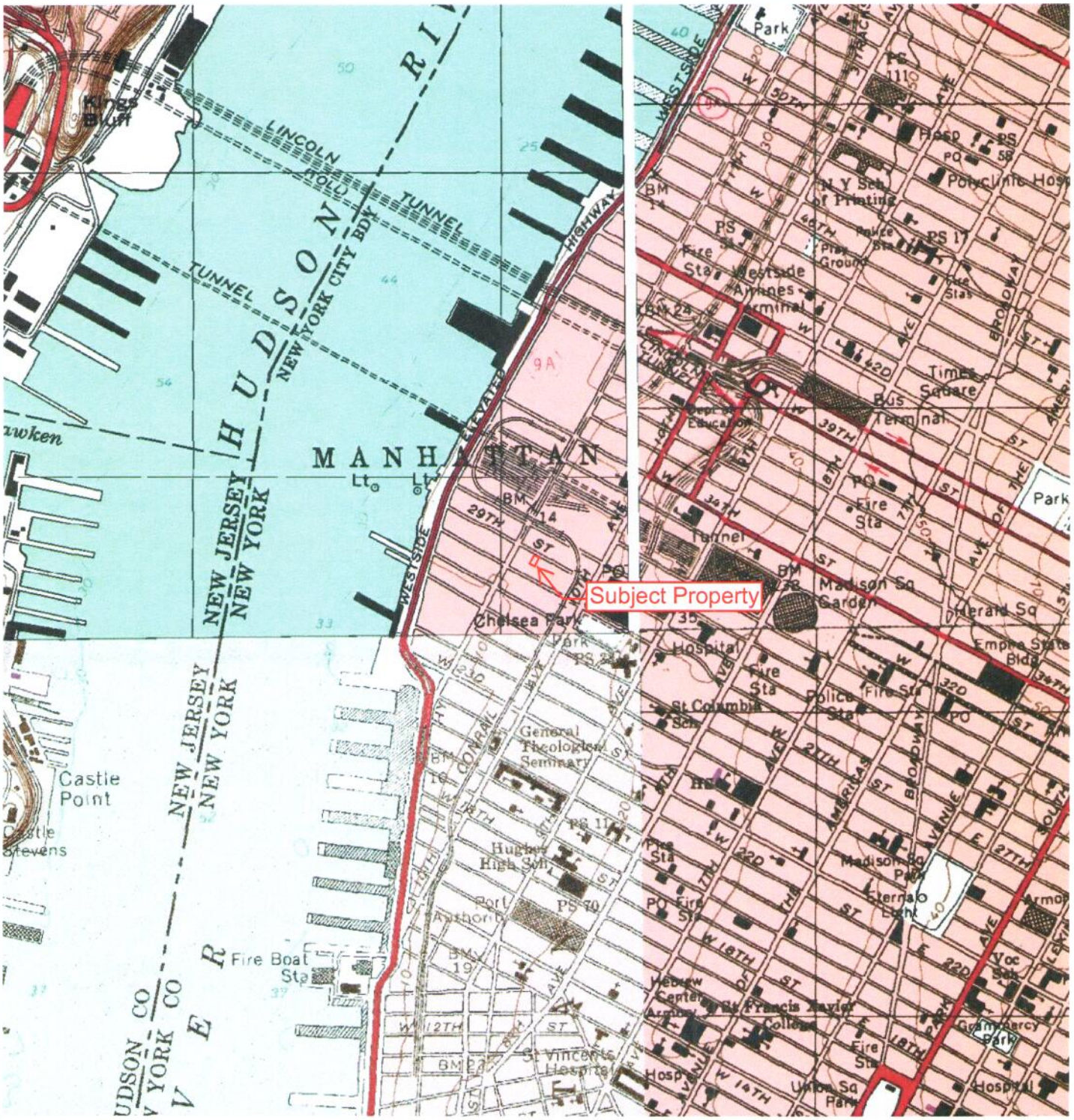
Reviewed By:

Jennifer Keahey
Client Manager

9.0 REFERENCES

Item	Date(s)	Source
Topographic Map	1995	United States Geological Survey
Regulatory Database	February 28, 2014	Environmental Data Resources (EDR)
Sanborn Maps	1890, 1899, 1911, 1930, 1950, 1976, 1979, 1980, 1982, 1985, 1987, 1988, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, 2005	EDR
Aerial Photographs	1924, 1951, 1953, 1966, 1980, 1987, 1996, 2006, 2010, 2012	http://gis.nyc.gov/doitt/nycitymap/, NETR Online (www.historicearials.com)
City Directories	1920, 1923, 1927, 1931, 1934, 1938, 1942, 1947, 1950, 1956, 1958, 1963, 1968, 1973, 1978, 1983, 1988, 1993, 1996, 1998, 2000, 2006, 2008, 2013	EDR
Revised Remedial Action Work Plan	September 2012	Fleming Lee Shue
Analytical Forensic & Hydrogeological Investigation	May 15, 2012	Fleming Lee Shue
Groundwater Investigation Report	February 16, 2012	Fleming Lee Shue
Proposed Modifications to Special West Chelsea District Zoning Map and Test Amendments Application at New York City Council (N 050161(A) ZRM)	June 22, 2005	New York City Office of Environmental Remediation (OER)
E-Designation Information	Accessed March 26, 2014	http://nyrej.com/38602
Radon Map	Accessed March 26, 2014	http://www.epa.gov/radon/zonemap.html
Soil Information	February 28, 2014	Regulatory Database
Water Quality Report	2012	http://www.nyc.gov/html/dep/pdf/wsstate12.pdf
Property Information	Accessed March 26, 2014	New York City Department of City Planning
Building Records	Accessed March 26, 2014	New York City Department of Buildings
Geologic Information	Accessed March 26, 2014	http://mrdata.usgs.gov/geology/state/state.php?state=NY

FIGURES



SITE LOCATION MAP

542 West 29th Street, New York, New York 10001

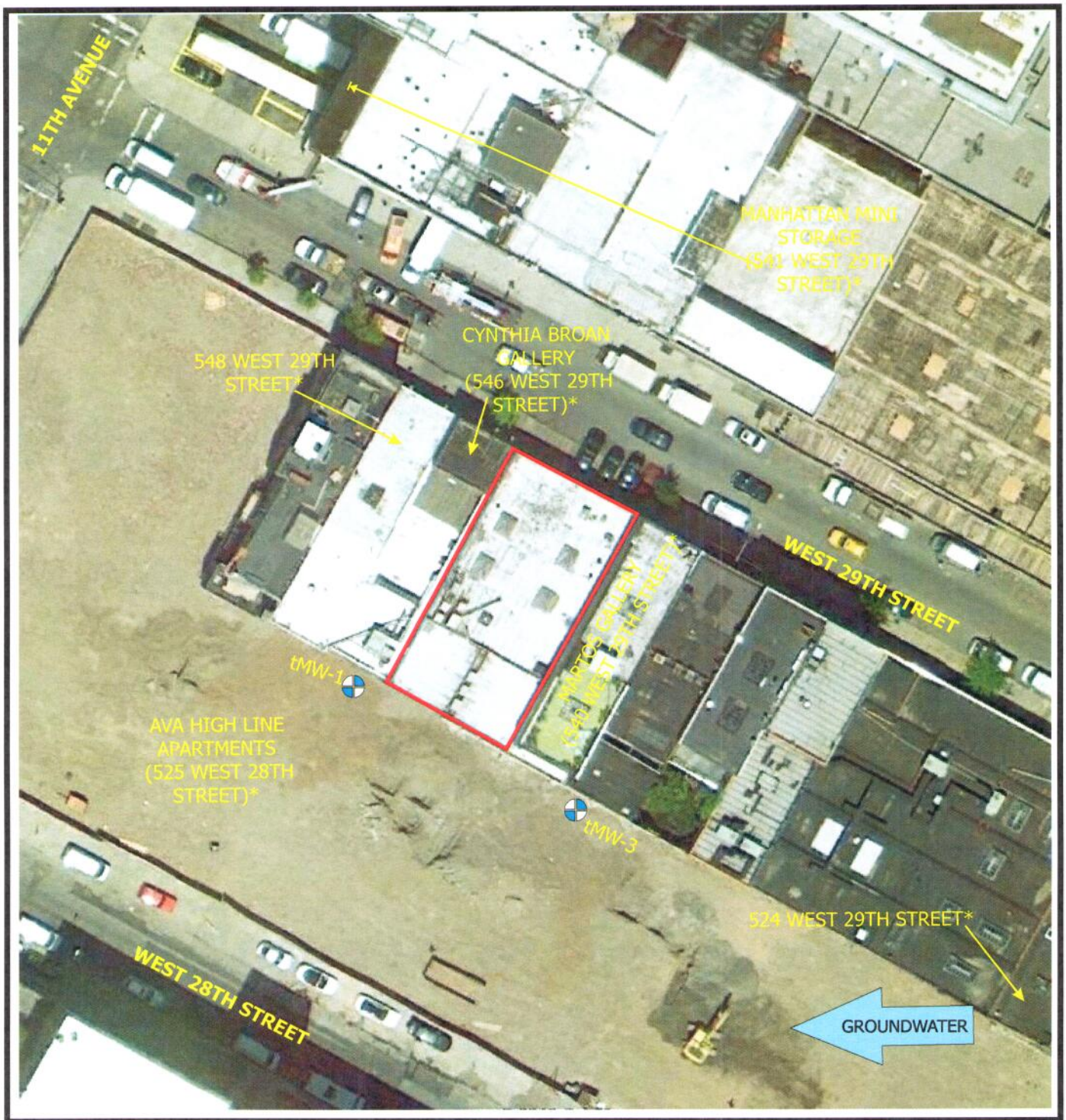
Approximate Property Boundary

Source: USGS Topographic Map, *Weehawken, New Jersey* (1995)

FIGURE 1

Project Number: 328402

AEI Consultants



SITE MAP

542 West 29th Street, New York, New York 10001

N

Legend

Approximate Property Boundary

Listed in Regulatory Database *

Temporary Monitoring Well

FIGURE 2

Project Number: 328402

AEI Consultants

APPENDIX A

PROPERTY PHOTOGRAPHS



1. The subject property seen from across West 29th Street



2. The sidewalk of West 29th Street in front of the subject property



3. The grease trap in the subject property



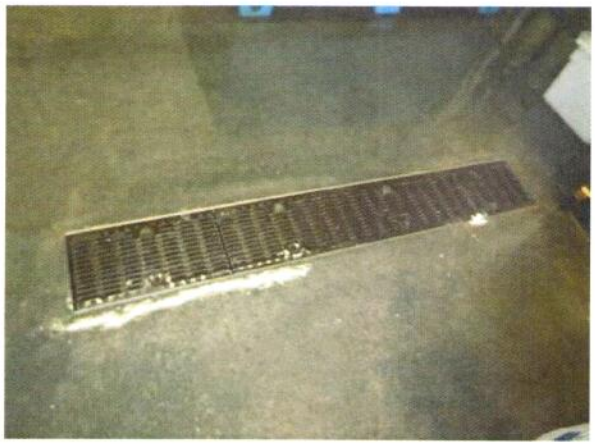
4. The first floor seafood preparation area



5. The walk-in cooler in the southern portion of the subject property



6. The walk-in cooler in the southern portion of the subject property



7. A floor drain in the first floor seafood preparation area



8. The first floor seafood preparation area



9. The first floor seafood preparation area



10. The stairway leading to the second floor



11. The offices on the second floor of the subject property



12. The bathroom on the second floor of the subject property



13. Storage on the second floor of the subject property



14. Storage on the second floor of the subject property



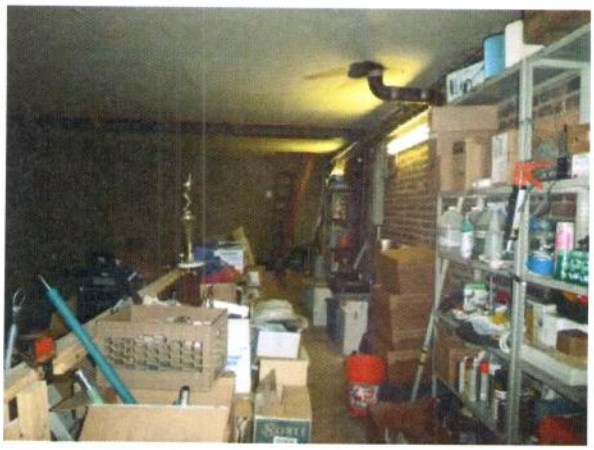
15. The hot water heater on the second floor of the subject property



16. The HVAC equipment on the second floor of the subject property



17. The floor of the offices on the second floor



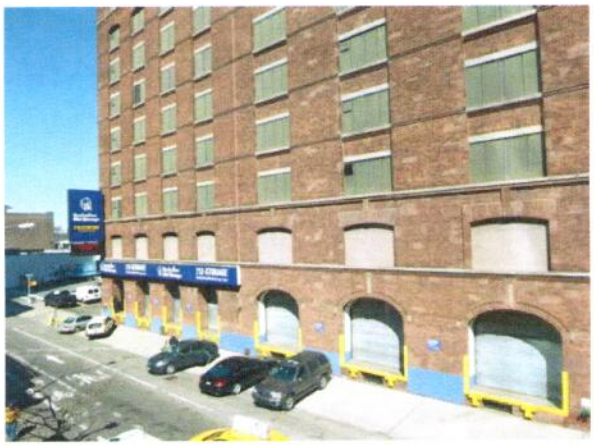
18. Storage on the second floor of the subject property behind the offices



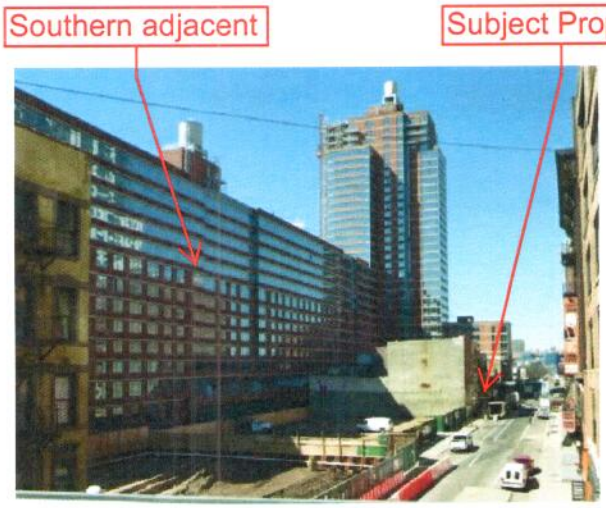
19. Cleaning and maintenance supplies in the subject property



20. The subject property roof



21. The northern adjacent property



22. The southern adjacent property



23. The eastern adjacent property



24. The western adjacent property

Appendix-B: Photographs




geopump




BROOKLYN
BUT.
BROOKLYN
BUT.


geoprobe

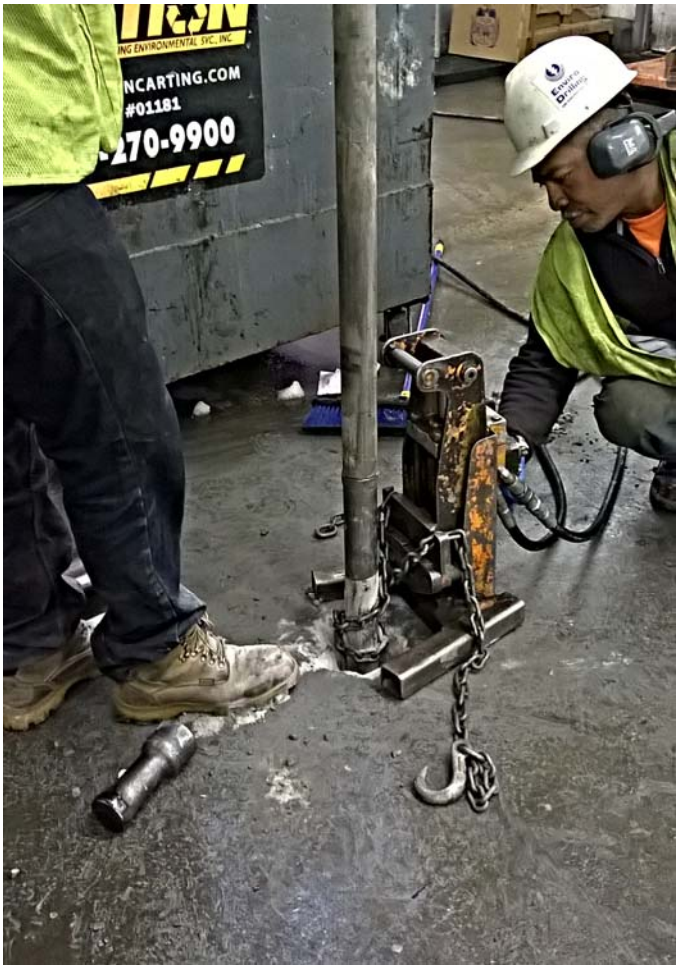






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HOLE



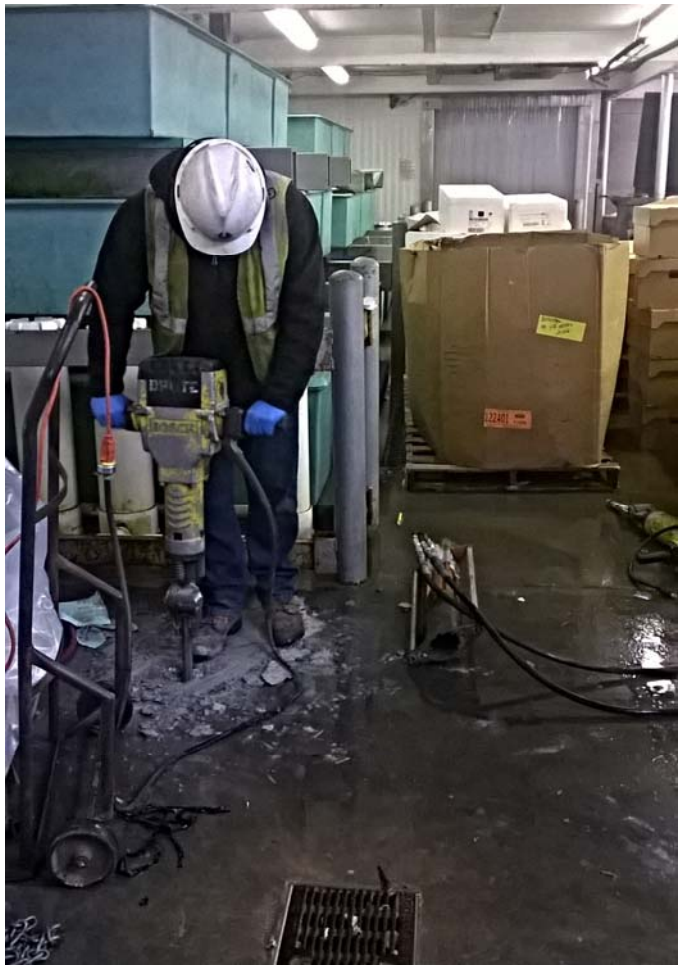













BOSCH


































geopump

Appendix-C: GPR Report

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive, Suite G
Hauppauge, New York 11788
T (631) 462-5866 • F (631) 462-5877

NYC Office
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 • F (718) 636-0900

WWW.HYDROTECHENVIRONMENTAL.COM

June 15, 2016

Largo Investments, LLC
155 Nobel Street, Second Floor
Brooklyn, NY 11222

Re: GPR Survey–542-544 West 29th, Manhattan NY
Hydro Tech Job No. 160094

Dear Sir:

Hydro Tech Environmental, Corp. has performed a Ground Penetrating Radar (GPR) survey at the above referenced Site. The GPR survey was conducted to investigate all accessible areas of the property which included all accessible areas of the site to identify any anomalies representing the presence of an underground storage tank (UST). No vent pipes or fill pipes were noted on the property.

SITE DETAILS

The Site is approximately 4,937 square feet in area and consists of a 2-story commercial building with a slab on grade. The building is currently occupied by a wholesale fish market.

DESCRIPTION OF FIELDWORK

The GPR survey was performed on April 20, 2016 utilizing a GSSI SIR-3000 Control Unit and a 400-megahertz shielded antenna. Prior to the commencement of the survey a visual inspection of the property was performed to identify specific areas where USTs could be present.

The GPR takes one "scan" per set unit. The number of scans per unit is based upon the estimated sizes of targets. Based upon the typical size of a UST, the GPR was set to run at 50 scans per foot. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The difference in amplitude obtained during each scan is then graphically displayed on the Control Unit, which are then interpreted by the GPR operator the time of the survey. Additional interpretations are then conducted in the office utilizing specialized computer software.

GPR RESULTS

No anomalies indicative of USTs or any other underground structures were found during the survey.

I hope that this information has proven valuable to this phase of your assessment. Should you have any questions, please feel free to contact our office at your convenience.

Very Truly Yours,
Hydro Tech Environmental, Corp.

Erica Johnston
Project Manager

Encs.
cc: Hydro Tech File 140088

EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

Observations were made of the subject property and/or of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, **Hydro Tech Environmental, Corp**. renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non hazardous or hazardous materials, in that portion of the subject property or structure. In addition, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. **Hydro Tech Environmental, Corp.** does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey, and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling.

Appendix-D: Soil Boring Logs

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No: 160094
Date: 04/30/2016
Page: 1 of 1

Location: 542-544 West 29th Street
Manhattan, NY

Boring No.: SP-1
Sampling Interval: 2 ft
Sampling Method: Grab
Depth to Water: n/a
Drilling Method: Direct Push
Driller: HTE
Total Depth: 6 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0 to -2	0.0	SP	Concrete and dark brown coarse sand with pebbles and brick. No odor.
-2 to -4	0.0	SP	Dark brown coarse sand with ashes, brick and rock. No odor
-4 to -6	0.0	SP	Dark brown/black coarse sand with brick, charcoal and ashes. No odor

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No: 160094
Date: 04/30/2016
Page: 1 of 1

Location: 542-544 West 29th Street
Manhattan, NY

Sampling Interval: 2 ft
Sampling Method: Grab

Boring No.: SP-2
Depth to Water: n/a

Drilling Method: Direct Push
Driller: HTE

Total Depth: 6 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0 to -2	0.0	SP	Concrete and dark brown coarse sand with pebbles, rocks, brick and charcoal. No odor.
-2 to -4	0.0	SP	Concrete and dark brown coarse sand with pebbles, rocks, brick and charcoal. No odor.
-4 to -6	0.0	SP	Fine to coarse dark brown sand with glass, pebbles, brick and charcoal.

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

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Soil Probe Log

Job No: 160094
Date: 04/30/2016
Page: 1 of 1
Location: 542-544 West 29th Street, Manhattan, NY
Sampling Interval: 2 ft
Sampling Method: Grab
Boring No.: SP-3
Depth to Water: n/a
Drilling Method: Direct Push
Driller: HTE
Total Depth: 12 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete and dark brown/black coarse sand with pebbles and, brick. No odor.
-2	0.0	SP	Dark brown coarse sand with pebbles and rocks. No odor.
-4	0.0	SP	Dark brown coarse sand with pebbles and brick. No odor.
-6	0.0	SP	Dark brown coarse sand with pebbles and brick. No odor.
-8	0.0	SP	Moist dark brown coarse sand with pebbles. No odor.
-10	0.0	SP	Moist dark brown coarse sand with pebbles. No odor.
-12			

Hydro Tech Environmental, Corp.

Main Office
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
T (631) 462-5866 · F (631) 462-5877

NYC Office
1111 Fulton Street, 2nd Floor
Brooklyn, New York 11238
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No:
Date: 04/23/2016
Page: 1 of 1

Location: 542-544 West 29th Street, Manhattan, NY
Sampling Interval: 2 ft
Sampling Method: Grab
Boring No.: SP-4
Driller: HTE
Drilling Method: Direct Push
Depth to Water: n/a
Total Depth: 12 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete and dark brown/black coarse sand with pebbles and, brick. No odor.
-2	0.0	SP	Dark brown coarse sand with pebbles and rocks. No odor.
-4	0.0	SP	Dark brown coarse sand with pebbles and brick. No odor.
-6	0.0	SP	Dark brown coarse sand with pebbles and brick. No odor.
-8	0.0	SP	Moist dark brown coarse sand with pebbles. No odor.
-10	0.0	SP	Moist dark brown coarse sand with pebbles. No odor.
-12			

Hydro Tech Environmental, Corp.

Main Office
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
T (631) 462-5866 · F (631) 462-5877

NYC Office
1111 Fulton Street, 2nd Floor
Brooklyn, New York 11238
T (718) 636-0800 · F (718) 636-0900

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Soil Probe Log

Job No:
Date: 04/23/2016
Page: 1 of 1

Location: 542-544 West 29th Street, Manhattan, NY
Sampling Interval: 2 ft
Sampling Method: Grab
Boring No.: SP-5
Driller: HTE
Drilling Method: Direct Push
Depth to Water: n/a
Total Depth: 12 ft bgs

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete and dark brown/black coarse sand with pebbles and, brick. No odor.
-2	0.0	SP	Dark brown coarse sand with pebbles and rocks. No odor.
-4	0.0	SP	Dark brown coarse sand with pebbles and brick. No odor.
-6	0.0	SP	Dark brown coarse sand with pebbles and brick. No odor.
-8	0.0	SP	Moist dark brown coarse sand with pebbles. No odor.
-10	0.0	SP	Moist dark brown coarse sand with pebbles. No odor.
-12			

Appendix-E: Monitoring Well Construction Logs

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788

NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11238

PHONE: (631) 462-5866 FAX: (631) 462-5877

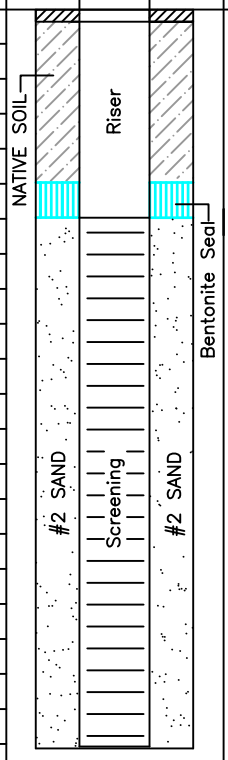
WELL CONSTRUCTION LOG

Job No: 160094 Date: 05-07-2016 Page: 1 OF 1

Location: 525 WEST 36th STREET, MANHATTAN NY

Well Number: MW-1
Drilling Method: DIRECT PUSH
Total Depth: 21.00'
Depth to Water: 11.44'
Manhole Size: 5"

Screen Size: 0.010"
Screen Interval: 15.00'
Diameter: 1"
Riser Length: 6.00'
Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover. 0'-5.00' - Native Soil. 5.00'-6.00' - Bentonite Seal. 6.00'-21.00' - #2 Sand. 0'-6.00' - Riser 6.00'-21.00' - Screen

DRILLER: OSCAR
GEOLOGIST: ERICA

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788

NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11238

PHONE: (631) 462-5866 FAX: (631) 462-5877

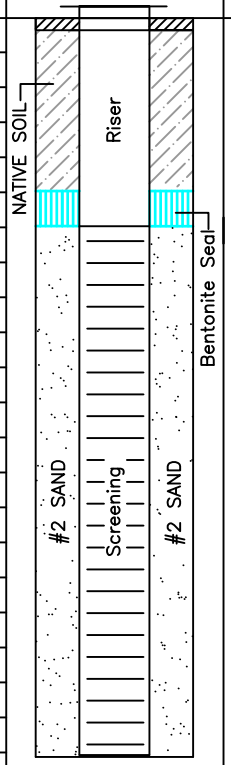
WELL CONSTRUCTION LOG

Job No: 160094 Date: 05-07-2016 Page: 1 OF 1

Location: 525 WEST 36th STREET, MANHATTAN NY

Well Number: MW-2
Drilling Method: DIRECT PUSH
Total Depth: 21.00'
Depth to Water: 11.22'
Manhole Size: 5"

Screen Size: 0.010"
Screen Interval: 15.00'
Diameter: 1"
Riser Length: 6.00'
Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover. 0'-5.00' - Native Soil. 5.00'-6.00' - Bentonite Seal. 6.00'-21.00' - #2 Sand. 0'-6.00' - Riser 6.00'-21.00' - Screen

DRILLER: OSCAR
GEOLOGIST: ERICA

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788

NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11238

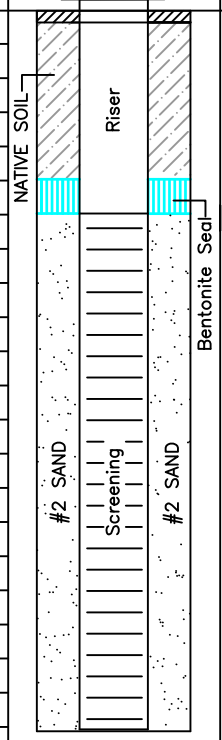
PHONE: (631) 462-5866 FAX: (631) 462-5877

WELL CONSTRUCTION LOG

Job No: 160094 Date: 05-07-2016 Page: 1 OF 1

Location: 525 WEST 36th STREET, MANHATTAN NY

Well Number:	MW-3	Screen Size:	0.010"
Drilling Method:	DIRECT PUSH	Screen Interval:	15.00'
Total Depth:	21.00'	Diameter:	1"
Depth to Water:	11.51'	Riser Length:	6.00'
Manhole Size:	5"	Sand Size:	#2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover. 0'-5.00' - Native Soil. 5.00'-6.00' - Bentonite Seal. 6.00'-21.00' - #2 Sand. 0'-6.00' - Riser 6.00'-21.00' - Screen

DRILLER: OSCAR
GEOLOGIST: ERICA

Appendix-F: Monitoring Well Sampling Log

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 160094 Well No.: MCU-1 Date: 5/7/16

Well Depth: 20' Screen Length: 15' Well Diameter: 1" Casing Type: PVC

Sampling Device: Horiba Tubing Type: _____ Initial DTP: N/A Initial DTW: 11.44. / after 11.51

Well Volume: _____ Total Volume Purged: _____

Sampling Personnel: Silvestre - Gilberto - Adriana.

Low Flow Sampling required ? Yes : X No: _____

Order of stabilization			a	b	c	e	f	d	
Deviation			±1		± 3%	± 10%	± 10%	± 10 mv	
Time	DTP (ft)	DTW (ft)	pH	Temp (°F)	Cond. (S/Cm)	Dis.O2 (mg/L)	Turb.(NTU)	ORP (mV)	Notes
10:15	n/a	11.44	8.16	13.84	4.50	12.85	105	-37	
10:20	n/a	11.46	8.05	13.75	4.51	9.06	74	-50	
10:25	n/a	11.48	8.05	13.71	4.51	9.05	48	-54	
10:30	n/a	11.51	8.04	13.69	4.51	9.06	47	-55	

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 160094 Well No.: MW-2 Date: 5/7/16

Well Depth: 20' Screen Length: 15' Well Diameter: 1 in Casing Type: PVC

Sampling Device: Horiba Tubing Type: _____ Initial DTP: N/A Initial DTW: 11.22

Well Volume: _____ Total Volume Purged: _____

Sampling Personnel: Silvestre-Gilberto-Adriana

Low Flow Sampling required ? Yes : X No: _____

Order of stabilization

Deviation

Time	DTP (ft)	DTW (ft)	a ±1 pH	b Temp (°F)	c ± 3% Cond. (S/Cm)	e ± 10% Dis.O2 (mg/L)	f ± 10% Turb.(NTU)	d ± 10 mv ORP (mV)	Notes
11:00	n/a	11.22	7.94	14.01	4.07	8.08	100	-46	
11:05	n/a	11:23	7.95	14.98	4.15	8.01	61	-57	
11:10	n/a	11:25	7.94	14.16	4.16	7.98	48	-62	
11:15	n/a	11:28	7.93	14.11	4.16	7.95	43	-63	

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 160094 Well No.: MW-3 Date: 5/7/16

Well Depth: 17 Screen Length: 10' Well Diameter: 1in Casing Type: PVC

Sampling Device: Horiba Tubing Type: _____ Initial DTP: N/A Initial DTW: 11.51

Well Volume: _____ Total Volume Purged: _____

Sampling Personnel: Gilberto - Silvestre - Adriana

Low Flow Sampling required ? Yes : X No: _____

Order of stabilization

Deviation

Time	DTP (ft)	DTW (ft)	a ±1 pH	b Temp (°F)	c ± 3% Cond. (S/Cm)	e ± 10% Dis.O2 (mg/L)	f ± 10% Turb.(NTU)	d ± 10 mv ORP (mV)	Notes
11:45	n/a	11.51	8.32	11.40	4.95	13.14	84	-43	
11:50	n/a	11.52	8.29	11.31	4.90	11.51	56	-49	
11:55	n/a	11.55	8.28	11.29	4.90	10.03	41	-51	
12:00	n/a	11.58	8.27	11.25	4.89	9.90	43	-58	

Appendix-G: Soil Vapor Sampling Log

542 West 29th Street, Manhattan, NY
HTE Job # 160094

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Weather Conditions during past 24-48 hrs:

Building Ventilation Conditions:

Source(s) of VOCs in Area:

Sample Coordinates																				
Sample ID	Sampling Date	Air Matrix	Sub-Surface Installation			Sampler Name	Indoor PID Reading (ppm)	Indoor air temp (°F)	Summa Canister ID	Canister Volume (L)	Purge Volume(s) (L)	Helium Detector (µg/L)		Time start (24 hr)	Time Stop (24 hr)	Canister Vacuum ("Hg)		Total Volume Extracte (L)	Weather (Wind, Dry, Moist, Saturated, temp) of Sampling Zone
			Date	Time	Depth							Start	Stop			Before	After		
SV-1	05-07-16	SV	04-23-16	9:00	6 ft	Adriana	0.0	-	18316	6L	0.08	-	-	9:00	11:00	0 1-23	-2	-	Dry
SV-2	↓	SV	04-23-16	10:00	6 ft	↓	0.0	-	4613	↓	↓	-	-	9:00	11:00	0 1-20	-2	-	↓
AI-1	↓	AI				↓	0.0	33	4160	↓	↓	-	-	9:00	1100	-1 1-30	-4	-	

Air Matrix Codes:
AI - Indoor Air
AO- Outdoor Air
SV - Soil Vapor
SB - Sub-slab

Notes :

Appendix-H: Laboratory Deliverables for Soil, Groundwater, and Soil Vapor and Air Analytical Data

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Report Date: 05/02/2016
Client Project ID: 160094-542-584 W 29th Street, NY
York Project (SDG) No.: 16D0971

Report Date: 05/02/2016
Client Project ID: 160094-542-584 W 29th Street, NY
York Project (SDG) No.: 16D0971

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 26, 2016 and listed below. The project was identified as your project: **160094-542-584 W 29th Street, NY**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16D0971-01	SP-4 (0-2)	Soil	04/23/2016	04/26/2016
16D0971-02	SP-4 (10-12)	Soil	04/23/2016	04/26/2016
16D0971-03	SP-5 (0-2)	Soil	04/23/2016	04/26/2016
16D0971-04	SP-5 (10-12)	Soil	04/23/2016	04/26/2016

General Notes for York Project (SDG) No.: 16D0971

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

Approved By: 

Date: 05/02/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 03:33	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	75	150	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 03:33	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 03:33	BK

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
78-93-3	2-Butanone	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
67-64-1	**Acetone**	**28**	SCAL-E	ug/kg dry	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
71-43-2	Benzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
108-86-1	Bromobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
75-25-2	Bromoform	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
74-83-9	Bromomethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
75-00-3	Chloroethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
67-66-3	Chloroform	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
74-87-3	Chloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
74-95-3	Dibromomethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 03:33	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 03:33	BK

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
75-09-2	Methylene chloride	ND		ug/kg dry	7.5	15	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
91-20-3	Naphthalene	ND		ug/kg dry	3.8	15	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 NELAC-NY10854,NJDEP	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP	BK
95-47-6	o-Xylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.5	15	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP	BK
100-42-5	Styrene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
108-88-3	Toluene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 NELAC-NY10854,NJDEP	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.8	7.5	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	23	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 03:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.2 %*	*76-130*

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 NELAC-NY10854,PADEP	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 NELAC-NY10854,PADEP	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 NELAC-NY10854,PADEP	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	190	380	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**61.4**	J	ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**249**	CCV-E	ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**205**		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**218**		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**76.5**	CCV-E, J	ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**176**		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 NELAC-NY10854,NJDEP,PADEP	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**235**		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications:	04/29/2016 14:33	04/30/2016 01:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
206-44-0	**Fluoranthene**	**436**		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
86-73-7	Fluorene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**74.2**	CCV-E, J	ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
78-59-1	Isophorone	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
85-01-8	**Phenanthrene**	**223**		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
108-95-2	Phenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
129-00-0	**Pyrene**	**366**		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR
110-86-1	Pyridine	ND		ug/kg dry	190	380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 14:33	04/30/2016 01:40	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*48.9 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*81.8 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*83.6 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*86.7 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*42.5 %*	*19-110*

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
1718-51-0	*Surrogate: Terphenyl-d14*	*69.5 %*			*24-116*						

Pesticides, 8081 target list

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/28/2016 07:07	04/28/2016 18:10	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	75.0	75.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
72-20-8	Endrin	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/28/2016 07:07	04/28/2016 18:10	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.88	1.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/28/2016 18:10	AMC

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	9.38	9.38	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:10	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	94.9	94.9	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:10	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*46.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.1 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 00:19	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 00:19	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 00:19	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 00:19	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 00:19	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 00:19	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 00:19	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	0.0189	1	EPA 8082A Certifications:	04/28/2016 07:07	04/29/2016 00:19	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*104 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4260**		mg/kg dry	5.68	5.68	1	EPA 6010C Certifications:	04/28/2016 10:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 23:20	KV
7440-36-0	Antimony	ND		mg/kg dry	0.568	0.568	1	EPA 6010C Certifications:	04/28/2016 10:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 23:20	KV
7440-38-2	**Arsenic**	**13.5**		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications:	04/28/2016 10:15 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 23:20	KV

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	**Barium**	**170**		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.71**		mg/kg dry	0.341	0.341	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**28100**		mg/kg dry	0.568	5.68	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**14.1**		mg/kg dry	0.568	0.568	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.61**		mg/kg dry	0.568	0.568	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**82.8**		mg/kg dry	0.568	0.568	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13400**		mg/kg dry	2.27	2.27	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**434**		mg/kg dry	0.341	0.341	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4600**		mg/kg dry	5.68	5.68	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**200**		mg/kg dry	0.568	0.568	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**20.7**		mg/kg dry	0.568	0.568	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**982**		mg/kg dry	5.68	5.68	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**3.61**		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.568	0.568	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**857**		mg/kg dry	11.4	11.4	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**24.5**		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**1270**		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:20	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 16D0971-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.55**		mg/kg dry	0.0341	0.0341	1	EPA 7473	04/28/2016 06:39	04/28/2016 12:29	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.0**		%	0.100	0.100	1	SM 2540G	04/27/2016 11:25	04/27/2016 14:01	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.398	0.568	1	EPA 7196A	04/29/2016 07:56	04/29/2016 14:26	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**14.1**		mg/kg	0.250	0.500	1	Calculation	05/02/2016 14:31	05/02/2016 14:50	SC
								Certifications:			

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:03	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:03	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	96	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**7.0**	SCAL-E, J	ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 04:03	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.4	9.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 04:03	BK

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:03	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854	04/29/2016 04:03	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854	04/29/2016 04:03	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:03	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:03	BK
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:03	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:03	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:03	BK
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:03	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:03	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:03	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:03	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:03	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 04:03	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:03	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:03	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.1 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*96.9 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.8 %*	*76-130*

Semi-Volatiles, 8270 Target List

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 NELAC-NY10854,PADEP	04/30/2016 02:13	SR

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 NELAC-NY10854,PADEP	04/30/2016 02:13	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 NELAC-NY10854,PADEP	04/30/2016 02:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.4	191	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
83-32-9	**Acenaphthene**	**62.5**	J	ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
62-53-3	Aniline	ND		ug/kg dry	191	382	2	EPA 8270D Certifications:	04/29/2016 14:33 NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
120-12-7	**Anthracene**	**254**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
56-55-3	**Benzo(a)anthracene**	**792**	CCV-E	ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
50-32-8	**Benzo(a)pyrene**	**561**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
205-99-2	**Benzo(b)fluoranthene**	**378**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
191-24-2	**Benzo(g,h,i)perylene**	**192**	CCV-E	ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
207-08-9	**Benzo(k)fluoranthene**	**437**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
218-01-9	**Chrysene**	**722**		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
53-70-3	**Dibenzo(a,h)anthracene**	**91.5**	CCV-E, J	ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.8	95.4	2	EPA 8270D Certifications:	04/29/2016 14:33 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2016 02:13	SR

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
206-44-0	**Fluoranthene**	**1530**		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**58.7**	J	ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**203**	CCV-E	ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**1040**		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**1290**		ug/kg dry	47.8	95.4	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
110-86-1	Pyridine	ND		ug/kg dry	191	382	2	EPA 8270D	04/29/2016 14:33	04/30/2016 02:13	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*94.7 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*108 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*99.3 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*98.0 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*96.3 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*78.0 %*	*24-116*

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 NELAC-NY10854,NJDEP	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	75.5	75.5	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
72-20-8	Endrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 NELAC-NY10854,NJDEP	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.89	1.89	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.44	9.44	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	95.5	95.5	5	EPA 8081B Certifications:	04/28/2016 07:07	04/29/2016 16:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.9 %*	*30-140*

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Pesticides, 8081 target list

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	*Surrogate: Decachlorobiphenyl*	*125 %*			*30-140*						

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 00:58	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 00:58	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 00:58	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 00:58	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 00:58	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 00:58	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 00:58	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	0.0191	1	EPA 8082A Certifications:	04/28/2016 07:07	04/29/2016 00:58	AMC

Surrogate Recoveries		Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*115 %*	*30-140*

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7090**		mg/kg dry	5.72	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:25	KV
7440-36-0	Antimony	ND		mg/kg dry	0.572	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:25	KV
7440-38-2	**Arsenic**	**2.58**		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:25	KV
7440-39-3	**Barium**	**89.4**		mg/kg dry	1.14	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:25	KV
7440-41-7	**Beryllium**	**0.176**		mg/kg dry	0.114	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:25	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.343	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:25	KV
7440-70-2	**Calcium**	**5240**		mg/kg dry	0.572	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:25	KV

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	**Chromium**	**14.7**		mg/kg dry	0.572	0.572	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.81**		mg/kg dry	0.572	0.572	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**23.1**		mg/kg dry	0.572	0.572	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12900**		mg/kg dry	2.29	2.29	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**410**		mg/kg dry	0.343	0.343	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2980**		mg/kg dry	5.72	5.72	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**297**		mg/kg dry	0.572	0.572	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**16.2**		mg/kg dry	0.572	0.572	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1450**		mg/kg dry	5.72	5.72	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.89**		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.572	0.572	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**641**		mg/kg dry	11.4	11.4	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**17.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**49.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:25	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**2.82**		mg/kg dry	0.0343	0.0343	1	EPA 7473	04/28/2016 06:39	04/28/2016 12:41	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: SP-4 (10-12) **York Sample ID:** 16D0971-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.4**		%	0.100	0.100	1	SM 2540G	04/27/2016 11:25	04/27/2016 14:01	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.400	0.572	1	EPA 7196A	05/02/2016 07:46	05/02/2016 14:24	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**14.7**		mg/kg	0.250	0.500	1	Calculation	05/02/2016 14:31	05/02/2016 14:50	SC
								Certifications:			

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:32	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:32	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:32	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:32	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:32	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C	04/28/2016 17:08	04/29/2016 04:32	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK
78-93-3	**2-Butanone**	**5.3**		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
67-64-1	**Acetone**	**38**	SCAL-E	ug/kg dry	5.1	10	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP	BK
71-43-2	Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 04:32 NELAC-NY10854,NJDEP	BK

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.6	10	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854	04/29/2016 04:32	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854	04/29/2016 04:32	BK

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
100-42-5	Styrene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
108-88-3	Toluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 04:32	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.7	15	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 04:32	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*96.2 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.0 %*	*76-130*

Semi-Volatiles, 8270 Target List

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:04	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16 NELAC-NY10854,PADEP	04/28/2016 19:04	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16 NELAC-NY10854,PADEP	04/28/2016 19:04	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16 NELAC-NY10854,PADEP	04/28/2016 19:04	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:04	SR

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	88.8	177	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR



Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
62-53-3	Aniline	ND		ug/kg dry	178	356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
120-12-7	**Anthracene**	**71.7**	J	ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
56-55-3	**Benzo(a)anthracene**	**248**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
50-32-8	**Benzo(a)pyrene**	**312**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
205-99-2	**Benzo(b)fluoranthene**	**303**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
191-24-2	**Benzo(g,h,i)perylene**	**153**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
207-08-9	**Benzo(k)fluoranthene**	**278**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
218-01-9	**Chrysene**	**305**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
53-70-3	**Dibenzo(a,h)anthracene**	**80.9**	J	ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
206-44-0	**Fluoranthene**	**522**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
86-73-7	Fluorene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**128**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
78-59-1	Isophorone	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
91-20-3	Naphthalene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
85-01-8	**Phenanthrene**	**172**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
108-95-2	Phenol	ND		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
129-00-0	**Pyrene**	**478**		ug/kg dry	44.5	88.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR
110-86-1	Pyridine	ND		ug/kg dry	178	356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 09:16	04/28/2016 19:04	SR

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*14.7 %*	S-09	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*24.3 %*	S-09	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*34.0 %*	S-09	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*35.2 %*	S-09	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*3.13 %*	S-09	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*31.4 %*	S-09	*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 LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 16:17	AMC

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 NELAC-NY10854,NJDEP	04/29/2016 16:17	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	70.3	70.3	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 NELAC-NY10854,NJDEP	04/29/2016 16:17	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	8.78	8.78	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	88.9	88.9	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 16:17	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*120 %*	*30-140*

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:17	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:17	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:17	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:17	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:17	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:17	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:17	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	0.0177	1	EPA 8082A Certifications:	04/28/2016 07:07	04/29/2016 01:17	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*101 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3280**		mg/kg dry	5.32	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-36-0	Antimony	ND		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-38-2	**Arsenic**	**3.90**		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-39-3	**Barium**	**61.5**		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.106	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.319	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-70-2	**Calcium**	**12100**		mg/kg dry	0.532	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-47-3	**Chromium**	**8.93**		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-48-4	**Cobalt**	**5.02**		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV
7440-50-8	**Copper**	**135**		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:42	KV

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**10400**		mg/kg dry	2.13	2.13	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**414**		mg/kg dry	0.319	0.319	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**1710**		mg/kg dry	5.32	5.32	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**180**		mg/kg dry	0.532	0.532	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.3**		mg/kg dry	0.532	0.532	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1120**		mg/kg dry	5.32	5.32	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**1.76**		mg/kg dry	1.06	1.06	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.532	0.532	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**197**		mg/kg dry	10.6	10.6	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**10.2**		mg/kg dry	1.06	1.06	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**291**		mg/kg dry	1.06	1.06	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:42	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.623**		mg/kg dry	0.0319	0.0319	1	EPA 7473	04/28/2016 06:39	04/28/2016 12:53	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.9**		%	0.100	0.100	1	SM 2540G	04/27/2016 11:25	04/27/2016 14:01	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Information

Client Sample ID: SP-5 (0-2) **York Sample ID:** 16D0971-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.373	0.532	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2016 07:46	05/02/2016 14:24	SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**8.93**		mg/kg	0.250	0.500	1	Calculation Certifications:	05/02/2016 14:31	05/02/2016 14:50	SC

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 05:02	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 05:02	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 05:02	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 05:02	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 05:02	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 05:02	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 17:08	04/29/2016 05:02	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 05:02	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 05:02	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 05:02	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 05:02	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/28/2016 17:08	04/29/2016 05:02	BK

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 NELAC-NY10854,NJDEP	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	87	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 NELAC-NY10854,NJDEP	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 NELAC-NY10854,NJDEP	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
67-64-1	Acetone	ND	SCAL-E	ug/kg dry	4.4	8.7	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 NELAC-NY10854,NJDEP	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 NELAC-NY10854,NJDEP	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08	04/29/2016 05:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.7	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854	04/29/2016 05:02	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.7	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854	04/29/2016 05:02	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP	04/29/2016 05:02	BK

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Volatile Organics, 8260 List

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 NELAC-NY10854,NJDEP	04/29/2016 05:02	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications:	04/28/2016 17:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2016 05:02	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.8 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*97.1 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.1 %*	*76-130*

Semi-Volatiles, 8270 Target List

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 NELAC-NY10854,PADEP	04/28/2016 19:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 NELAC-NY10854,PADEP	04/28/2016 19:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 NELAC-NY10854,PADEP	04/28/2016 19:35	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	**Acenaphthene**	**62.5**	J	ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	186	373	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	**Anthracene**	**349**		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**707**		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**519**		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**590**		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**522**		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16	04/28/2016 19:35 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List **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
207-08-9	**Benzo(k)fluoranthene**	**895**		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**821**		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**216**		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**1600**		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**55.0**	J	ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**427**		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**75.8**	J	ug/kg dry	46.6	93.0	2	EPA 8270D	04/28/2016 09:16	04/28/2016 19:35	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Semi-Volatiles, 8270 Target List

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	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
85-01-8	**Phenanthrene**	**1070**		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
108-95-2	Phenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
129-00-0	**Pyrene**	**1520**		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR
110-86-1	Pyridine	ND		ug/kg dry	186	373	2	EPA 8270D Certifications:	04/28/2016 09:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 19:35	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*34.0 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*34.5 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*39.9 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*37.7 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*25.5 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*32.8 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
309-00-2	Aldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 NELAC-NY10854,NJDEP	04/28/2016 18:25	AMC
319-85-7	beta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/kg dry	73.6	73.6	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
319-86-8	delta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
60-57-1	Dieldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
72-20-8	Endrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 NELAC-NY10854,NJDEP	04/28/2016 18:25	AMC
76-44-8	Heptachlor	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	1.84	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	9.20	9.20	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	93.1	93.1	5	EPA 8081B Certifications:	04/28/2016 07:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 18:25	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*40.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.1 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 01:36	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 01:36	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 01:36	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications:	04/28/2016 07:07 NELAC-NY10854,CTDOH,NJDEP,PADEP	04/29/2016 01:36	AMC

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:36	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:36	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/28/2016 07:07	04/29/2016 01:36	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	0.0186	1	EPA 8082A Certifications:	04/28/2016 07:07	04/29/2016 01:36	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*96.0 %*	*30-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7760**		mg/kg dry	5.58	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-36-0	Antimony	ND		mg/kg dry	0.558	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-38-2	**Arsenic**	**6.56**		mg/kg dry	1.12	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-39-3	**Barium**	**147**		mg/kg dry	1.12	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-41-7	**Beryllium**	**0.194**		mg/kg dry	0.112	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.335	0.335	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-70-2	**Calcium**	**9160**		mg/kg dry	0.558	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-47-3	**Chromium**	**20.9**		mg/kg dry	0.558	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-48-4	**Cobalt**	**8.01**		mg/kg dry	0.558	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7440-50-8	**Copper**	**49.4**		mg/kg dry	0.558	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7439-89-6	**Iron**	**18300**		mg/kg dry	2.23	2.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7439-92-1	**Lead**	**326**		mg/kg dry	0.335	0.335	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7439-95-4	**Magnesium**	**3180**		mg/kg dry	5.58	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV
7439-96-5	**Manganese**	**476**		mg/kg dry	0.558	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2016 10:15	04/28/2016 23:47	KV

Sample Information

Client Sample ID: SP-5 (10-12) **York Sample ID:** 16D0971-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**30.1**		mg/kg dry	0.558	0.558	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1380**		mg/kg dry	5.58	5.58	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**3.66**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.558	0.558	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**348**		mg/kg dry	11.2	11.2	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**19.7**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**221**		mg/kg dry	1.12	1.12	1	EPA 6010C	04/28/2016 10:15	04/28/2016 23:47	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**7.39**		mg/kg dry	0.0335	0.0335	1	EPA 7473	04/28/2016 06:39	04/28/2016 13:19	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.7**		%	0.100	0.100	1	SM 2540G	04/27/2016 11:25	04/27/2016 14:01	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.390	0.558	1	EPA 7196A	05/02/2016 07:46	05/02/2016 14:24	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

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

Sample Information

Client Sample ID: **SP-5 (10-12)** **York Sample ID:** **16D0971-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16D0971	160094-542-584 W 29th Street, NY	Soil	April 23, 2016 3:00 pm	04/26/2016

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**20.9**		mg/kg	0.250	0.500	1	Calculation	05/02/2016 14:31	05/02/2016 14:50	SC

Certifications:

Analytical Batch Summary

Batch ID: BD61439 **Preparation Method:** % Solids Prep **Prepared By:** CLS

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	04/27/16
16D0971-02	SP-4 (10-12)	04/27/16
16D0971-03	SP-5 (0-2)	04/27/16
16D0971-04	SP-5 (10-12)	04/27/16
BD61439-DUP1	Duplicate	04/27/16

Batch ID: BD61479 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	04/28/16
16D0971-02	SP-4 (10-12)	04/28/16
16D0971-03	SP-5 (0-2)	04/28/16
16D0971-04	SP-5 (10-12)	04/28/16
BD61479-BLK1	Blank	04/28/16
BD61479-SRM1	Reference	04/28/16

Batch ID: BD61487 **Preparation Method:** EPA 3550C **Prepared By:** KNN

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	04/28/16
16D0971-01	SP-4 (0-2)	04/28/16
16D0971-02	SP-4 (10-12)	04/28/16
16D0971-02	SP-4 (10-12)	04/28/16
16D0971-03	SP-5 (0-2)	04/28/16
16D0971-03	SP-5 (0-2)	04/28/16
16D0971-04	SP-5 (10-12)	04/28/16
16D0971-04	SP-5 (10-12)	04/28/16
BD61487-BLK1	Blank	04/28/16
BD61487-BLK2	Blank	04/28/16
BD61487-BS1	LCS	04/28/16
BD61487-BS2	LCS	04/28/16
BD61487-BSD1	LCS Dup	04/28/16
BD61487-BSD2	LCS Dup	04/28/16

Batch ID: BD61508 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-03	SP-5 (0-2)	04/28/16
16D0971-04	SP-5 (10-12)	04/28/16
BD61508-BLK1	Blank	04/28/16
BD61508-BS1	LCS	04/28/16
BD61508-BSD1	LCS Dup	04/28/16

Batch ID: BD61520 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	04/28/16
16D0971-02	SP-4 (10-12)	04/28/16
16D0971-03	SP-5 (0-2)	04/28/16
16D0971-04	SP-5 (10-12)	04/28/16
BD61520-BLK1	Blank	04/28/16
BD61520-SRM1	Reference	04/28/16

Batch ID: BD61535 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	04/28/16
16D0971-02	SP-4 (10-12)	04/28/16
16D0971-03	SP-5 (0-2)	04/28/16
16D0971-04	SP-5 (10-12)	04/28/16
BD61535-BLK1	Blank	04/28/16
BD61535-BS1	LCS	04/28/16
BD61535-BSD1	LCS Dup	04/28/16

Batch ID: BD61561 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	04/29/16
BD61561-BLK1	Blank	04/29/16
BD61561-SRM1	Reference	04/29/16

Batch ID: BD61584 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	04/29/16
16D0971-02	SP-4 (10-12)	04/29/16
BD61584-BLK1	Blank	04/29/16
BD61584-BS1	LCS	04/29/16
BD61584-BSD1	LCS Dup	04/29/16

Batch ID: BE60013 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-02	SP-4 (10-12)	05/02/16
16D0971-03	SP-5 (0-2)	05/02/16
16D0971-04	SP-5 (10-12)	05/02/16
BE60013-BLK1	Blank	05/02/16
BE60013-SRM1	Reference	05/02/16

Batch ID: BE60064 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16D0971-01	SP-4 (0-2)	05/02/16
16D0971-02	SP-4 (10-12)	05/02/16
16D0971-03	SP-5 (0-2)	05/02/16
16D0971-04	SP-5 (10-12)	05/02/16



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61535 - EPA 5035A											
Blank (BD61535-BLK1)											Prepared & Analyzed: 04/28/2016
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	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	"								
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 tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	3.2	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	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 BD61535 - EPA 5035A											
Blank (BD61535-BLK1)								Prepared & Analyzed: 04/28/2016			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	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 acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*48.6*		*ug/L*	*50.0*		*97.3*	*77-125*				
Surrogate: Toluene-d8	*47.9*		*"*	*50.0*		*95.7*	*85-120*				
Surrogate: p-Bromofluorobenzene	*47.0*		*"*	*50.0*		*94.0*	*76-130*				
LCS (BD61535-BS1)								Prepared & Analyzed: 04/28/2016			
1,1,1,2-Tetrachloroethane	48.5		ug/L	50.0		97.1	75-129				
1,1,1-Trichloroethane	51.6		"	50.0		103	71-137				
1,1,2,2-Tetrachloroethane	44.5		"	50.0		88.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.8		"	50.0		104	58-146				
1,1,2-Trichloroethane	46.3		"	50.0		92.7	83-123				
1,1-Dichloroethane	53.7		"	50.0		107	75-130				
1,1-Dichloroethylene	50.4		"	50.0		101	64-137				
1,1-Dichloropropylene	51.4		"	50.0		103	77-127				
1,2,3-Trichlorobenzene	52.7		"	50.0		105	81-140				
1,2,3-Trichloropropane	41.1		"	50.0		82.2	81-126				
1,2,4-Trichlorobenzene	53.4		"	50.0		107	80-141				
1,2,4-Trimethylbenzene	43.4		"	50.0		86.8	84-125				
1,2-Dibromo-3-chloropropane	39.4		"	50.0		78.8	74-142				
1,2-Dibromoethane	49.4		"	50.0		98.7	86-123				
1,2-Dichlorobenzene	48.1		"	50.0		96.2	85-122				
1,2-Dichloroethane	49.5		"	50.0		99.0	71-133				
1,2-Dichloropropane	46.3		"	50.0		92.7	81-122				
1,3,5-Trimethylbenzene	42.7		"	50.0		85.4	82-126				
1,3-Dichlorobenzene	47.2		"	50.0		94.4	84-124				
1,3-Dichloropropane	45.0		"	50.0		90.0	83-123				
1,4-Dichlorobenzene	48.0		"	50.0		96.0	84-124				
1,4-Dioxane	934		"	1000		93.4	10-228				
2,2-Dichloropropane	48.6		"	50.0		97.2	67-136				
2-Butanone	47.7		"	50.0		95.4	58-147				
2-Chlorotoluene	38.3		"	50.0		76.6	78-127	Low Bias			
4-Chlorotoluene	38.7		"	50.0		77.4	79-125	Low Bias			
Acetone	39.2		"	50.0		78.4	36-155				
Benzene	55.8		"	50.0		112	77-127				
Bromobenzene	43.4		"	50.0		86.8	77-129				
Bromochloromethane	50.3		"	50.0		101	74-129				
Bromodichloromethane	45.4		"	50.0		90.9	81-124				
Bromoform	48.3		"	50.0		96.6	80-136				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD61535 - EPA 5035A											
LCS (BD61535-BS1)								Prepared & Analyzed: 04/28/2016			
Bromomethane	49.7		ug/L	50.0		99.4	32-177				
Carbon tetrachloride	48.8		"	50.0		97.6	66-143				
Chlorobenzene	46.6		"	50.0		93.2	86-120				
Chloroethane	54.9		"	50.0		110	51-142				
Chloroform	51.8		"	50.0		104	76-131				
Chloromethane	51.2		"	50.0		102	49-132				
cis-1,2-Dichloroethylene	55.1		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	46.0		"	50.0		92.0	81-129				
Dibromochloromethane	45.8		"	50.0		91.7	10-200				
Dibromomethane	47.5		"	50.0		94.9	83-124				
Dichlorodifluoromethane	50.2		"	50.0		100	28-158				
Ethyl Benzene	44.0		"	50.0		88.0	84-125				
Hexachlorobutadiene	49.0		"	50.0		98.1	83-133				
Isopropylbenzene	42.4		"	50.0		84.7	81-127				
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131				
Methylene chloride	46.4		"	50.0		92.7	57-141				
Naphthalene	49.7		"	50.0		99.4	86-141				
n-Butylbenzene	41.4		"	50.0		82.7	80-130				
n-Propylbenzene	39.6		"	50.0		79.2	74-136				
o-Xylene	43.0		"	50.0		86.1	83-123				
p- & m- Xylenes	86.5		"	100		86.5	82-128				
p-Isopropyltoluene	44.1		"	50.0		88.2	85-125				
sec-Butylbenzene	41.3		"	50.0		82.5	83-125	Low Bias			
Styrene	51.5		"	50.0		103	86-126				
tert-Butylbenzene	45.2		"	50.0		90.5	80-127				
Tetrachloroethylene	50.0		"	50.0		100	80-129				
Toluene	47.0		"	50.0		93.9	85-121				
trans-1,2-Dichloroethylene	51.8		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	44.7		"	50.0		89.4	78-132				
Trichloroethylene	46.4		"	50.0		92.9	84-123				
Trichlorofluoromethane	47.4		"	50.0		94.8	62-140				
Vinyl acetate	52.2		"	50.0		104	67-136				
Vinyl Chloride	53.0		"	50.0		106	52-130				
Surrogate: 1,2-Dichloroethane-d4	*47.6*		*"*	*50.0*		*95.3*	*77-125*				
Surrogate: Toluene-d8	*46.5*		*"*	*50.0*		*92.9*	*85-120*				
Surrogate: p-Bromofluorobenzene	*51.9*		*"*	*50.0*		*104*	*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 BD61535 - EPA 5035A											
LCS Dup (BD61535-BSD1)								Prepared & Analyzed: 04/28/2016			
1,1,1,2-Tetrachloroethane	49.5		ug/L	50.0		99.1	75-129		2.04	30	
1,1,1-Trichloroethane	53.4		"	50.0		107	71-137		3.54	30	
1,1,2,2-Tetrachloroethane	44.4		"	50.0		88.9	79-129		0.0675	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54.6		"	50.0		109	58-146		5.30	30	
1,1,2-Trichloroethane	48.0		"	50.0		96.1	83-123		3.60	30	
1,1-Dichloroethane	56.2		"	50.0		112	75-130		4.48	30	
1,1-Dichloroethylene	51.3		"	50.0		103	64-137		1.71	30	
1,1-Dichloropropylene	53.9		"	50.0		108	77-127		4.79	30	
1,2,3-Trichlorobenzene	51.7		"	50.0		103	81-140		1.99	30	
1,2,3-Trichloropropane	42.6		"	50.0		85.2	81-126		3.49	30	
1,2,4-Trichlorobenzene	52.6		"	50.0		105	80-141		1.59	30	
1,2,4-Trimethylbenzene	44.6		"	50.0		89.2	84-125		2.73	30	
1,2-Dibromo-3-chloropropane	41.0		"	50.0		82.0	74-142		4.01	30	
1,2-Dibromoethane	50.9		"	50.0		102	86-123		3.11	30	
1,2-Dichlorobenzene	49.0		"	50.0		98.0	85-122		1.83	30	
1,2-Dichloroethane	50.1		"	50.0		100	71-133		1.31	30	
1,2-Dichloropropane	48.0		"	50.0		96.0	81-122		3.50	30	
1,3,5-Trimethylbenzene	41.9		"	50.0		83.9	82-126		1.82	30	
1,3-Dichlorobenzene	48.8		"	50.0		97.5	84-124		3.23	30	
1,3-Dichloropropane	45.6		"	50.0		91.2	83-123		1.24	30	
1,4-Dichlorobenzene	45.6		"	50.0		91.1	84-124		5.26	30	
1,4-Dioxane	943		"	1000		94.3	10-228		0.967	30	
2,2-Dichloropropane	50.3		"	50.0		101	67-136		3.48	30	
2-Butanone	51.1		"	50.0		102	58-147		6.82	30	
2-Chlorotoluene	39.7		"	50.0		79.3	78-127		3.57	30	
4-Chlorotoluene	38.0		"	50.0		76.1	79-125	Low Bias	1.72	30	
Acetone	42.4		"	50.0		84.8	36-155		7.77	30	
Benzene	56.8		"	50.0		114	77-127		1.83	30	
Bromobenzene	43.2		"	50.0		86.5	77-129		0.416	30	
Bromochloromethane	52.7		"	50.0		105	74-129		4.58	30	
Bromodichloromethane	47.1		"	50.0		94.2	81-124		3.54	30	
Bromoform	49.4		"	50.0		98.8	80-136		2.27	30	
Bromomethane	50.3		"	50.0		101	32-177		1.26	30	
Carbon tetrachloride	52.1		"	50.0		104	66-143		6.54	30	
Chlorobenzene	48.5		"	50.0		97.1	86-120		4.01	30	
Chloroethane	57.8		"	50.0		116	51-142		5.06	30	
Chloroform	53.6		"	50.0		107	76-131		3.40	30	
Chloromethane	51.2		"	50.0		102	49-132		0.0586	30	
cis-1,2-Dichloroethylene	59.1		"	50.0		118	74-132		7.06	30	
cis-1,3-Dichloropropylene	49.0		"	50.0		98.0	81-129		6.40	30	
Dibromochloromethane	49.3		"	50.0		98.6	10-200		7.25	30	
Dibromomethane	49.9		"	50.0		99.7	83-124		4.95	30	
Dichlorodifluoromethane	50.0		"	50.0		100	28-158		0.220	30	
Ethyl Benzene	45.5		"	50.0		91.0	84-125		3.33	30	
Hexachlorobutadiene	50.8		"	50.0		102	83-133		3.49	30	
Isopropylbenzene	43.6		"	50.0		87.2	81-127		2.86	30	
Methyl tert-butyl ether (MTBE)	53.0		"	50.0		106	74-131		3.09	30	
Methylene chloride	47.7		"	50.0		95.4	57-141		2.83	30	
Naphthalene	50.8		"	50.0		102	86-141		2.11	30	
n-Butylbenzene	42.0		"	50.0		83.9	80-130		1.49	30	
n-Propylbenzene	40.7		"	50.0		81.5	74-136		2.81	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 BD61535 - EPA 5035A											
LCS Dup (BD61535-BSD1)								Prepared & Analyzed: 04/28/2016			
o-Xylene	43.1		ug/L	50.0		86.2	83-123		0.163	30	
p- & m- Xylenes	89.7		"	100		89.7	82-128		3.61	30	
p-Isopropyltoluene	46.0		"	50.0		92.0	85-125		4.22	30	
sec-Butylbenzene	42.4		"	50.0		84.9	83-125		2.84	30	
Styrene	52.4		"	50.0		105	86-126		1.75	30	
tert-Butylbenzene	47.1		"	50.0		94.3	80-127		4.11	30	
Tetrachloroethylene	49.6		"	50.0		99.3	80-129		0.823	30	
Toluene	49.1		"	50.0		98.2	85-121		4.45	30	
trans-1,2-Dichloroethylene	52.1		"	50.0		104	72-132		0.519	30	
trans-1,3-Dichloropropylene	46.2		"	50.0		92.5	78-132		3.36	30	
Trichloroethylene	49.5		"	50.0		99.1	84-123		6.46	30	
Trichlorofluoromethane	50.2		"	50.0		100	62-140		5.80	30	
Vinyl acetate	52.6		"	50.0		105	67-136		0.592	30	
Vinyl Chloride	55.0		"	50.0		110	52-130		3.63	30	
Surrogate: 1,2-Dichloroethane-d4	*47.6*		*"*	*50.0*		*95.1*	*77-125*				
Surrogate: Toluene-d8	*48.0*		*"*	*50.0*		*96.0*	*85-120*				
Surrogate: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*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 BD61508 - EPA 3550C											
Blank (BD61508-BLK1)											Prepared & Analyzed: 04/28/2016
1,2,4-Trichlorobenzene	ND	41.7	ug/kg wet								
1,2-Dichlorobenzene	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
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	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
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	"								
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	"								
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	"								



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 BD61508 - EPA 3550C											
Blank (BD61508-BLK1)								Prepared & Analyzed: 04/28/2016			
Hexachlorobenzene	ND	41.7	ug/kg wet								
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	"								
Pyridine	ND	167	"								
Surrogate: 2-Fluorophenol	*1980*		*"*	*2500*		*79.0*	*20-108*				
Surrogate: Phenol-d5	*1900*		*"*	*2510*		*75.6*	*23-114*				
Surrogate: Nitrobenzene-d5	*1350*		*"*	*1670*		*81.2*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*1190*		*"*	*1670*		*71.2*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1820*		*"*	*2510*		*72.4*	*19-110*				
Surrogate: Terphenyl-d14	*1110*		*"*	*1670*		*66.3*	*24-116*				
LCS (BD61508-BS1)								Prepared & Analyzed: 04/28/2016			
1,2,4-Trichlorobenzene	744	41.7	ug/kg wet	1670		44.6	23-130				
1,2-Dichlorobenzene	776	41.7	"	1670		46.6	26-113				
1,3-Dichlorobenzene	780	41.7	"	1670		46.8	32-113				
1,4-Dichlorobenzene	724	41.7	"	1670		43.4	28-111				
2,4,5-Trichlorophenol	662	41.7	"	1670		39.7	14-138				
2,4,6-Trichlorophenol	774	41.7	"	1670		46.5	27-122				
2,4-Dichlorophenol	726	41.7	"	1670		43.5	23-133				
2,4-Dimethylphenol	718	41.7	"	1670		43.1	15-131				
2,4-Dinitrophenol	885	83.3	"	1670		53.1	10-149				
2,4-Dinitrotoluene	861	41.7	"	1670		51.6	30-123				
2,6-Dinitrotoluene	915	41.7	"	1670		54.9	30-125				
2-Chloronaphthalene	765	41.7	"	1670		45.9	22-115				
2-Chlorophenol	801	41.7	"	1670		48.0	25-121				
2-Methylnaphthalene	795	41.7	"	1670		47.7	16-127				
2-Methylphenol	723	41.7	"	1670		43.4	10-146				
2-Nitroaniline	801	83.3	"	1670		48.0	24-126				
2-Nitrophenol	787	41.7	"	1670		47.2	17-129				
3- & 4-Methylphenols	691	41.7	"	1670		41.5	20-109				
3,3'-Dichlorobenzidine	704	41.7	"	1670		42.3	10-147				
3-Nitroaniline	630	83.3	"	1670		37.8	23-123				
4,6-Dinitro-2-methylphenol	837	83.3	"	1670		50.2	10-149				
4-Bromophenyl phenyl ether	754	41.7	"	1670		45.2	30-138				
4-Chloro-3-methylphenol	815	41.7	"	1670		48.9	16-138				
4-Chloroaniline	387	41.7	"	1670		23.2	10-117				
4-Chlorophenyl phenyl ether	802	41.7	"	1670		48.1	18-132				
4-Nitroaniline	498	83.3	"	1670		29.9	14-125				
4-Nitrophenol	49.0	83.3	"	1670		2.94	10-136	Low Bias			



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 BD61508 - EPA 3550C											
LCS (BD61508-BS1)							Prepared & Analyzed: 04/28/2016				
Acenaphthene	820	41.7	ug/kg wet	1670		49.2	17-124				
Acenaphthylene	778	41.7	"	1670		46.7	16-124				
Aniline	456	167	"	1670		27.4	10-111				
Anthracene	835	41.7	"	1670		50.1	24-124				
Benzo(a)anthracene	757	41.7	"	1670		45.4	25-134				
Benzo(a)pyrene	732	41.7	"	1670		43.9	29-144				
Benzo(b)fluoranthene	621	41.7	"	1670		37.3	20-151				
Benzo(g,h,i)perylene	878	41.7	"	1670		52.7	10-153				
Benzo(k)fluoranthene	624	41.7	"	1670		37.4	10-148				
Benzyl alcohol	795	41.7	"	1670		47.7	17-128				
Benzyl butyl phthalate	818	41.7	"	1670		49.1	10-132				
Bis(2-chloroethoxy)methane	754	41.7	"	1670		45.2	10-129				
Bis(2-chloroethyl)ether	744	41.7	"	1670		44.7	14-125				
Bis(2-chloroisopropyl)ether	893	41.7	"	1670		53.6	14-122				
Bis(2-ethylhexyl)phthalate	929	41.7	"	1670		55.8	10-141				
Chrysene	775	41.7	"	1670		46.5	24-116				
Dibenzo(a,h)anthracene	965	41.7	"	1670		57.9	17-147				
Dibenzofuran	799	41.7	"	1670		47.9	23-123				
Diethyl phthalate	834	41.7	"	1670		50.1	23-122				
Dimethyl phthalate	819	41.7	"	1670		49.1	28-127				
Di-n-butyl phthalate	966	41.7	"	1670		58.0	19-123				
Di-n-octyl phthalate	813	41.7	"	1670		48.8	10-132				
Fluoranthene	908	41.7	"	1670		54.5	36-125				
Fluorene	850	41.7	"	1670		51.0	16-130				
Hexachlorobenzene	911	41.7	"	1670		54.6	10-129				
Hexachlorobutadiene	862	41.7	"	1670		51.7	22-153				
Hexachlorocyclopentadiene	180	41.7	"	1670		10.8	10-134				
Hexachloroethane	825	41.7	"	1670		49.5	20-112				
Indeno(1,2,3-cd)pyrene	913	41.7	"	1670		54.8	10-155				
Isophorone	782	41.7	"	1670		46.9	14-131				
Naphthalene	770	41.7	"	1670		46.2	20-121				
Nitrobenzene	781	41.7	"	1670		46.9	20-121				
N-Nitrosodimethylamine	788	41.7	"	1670		47.3	10-124				
N-nitroso-di-n-propylamine	962	41.7	"	1670		57.7	21-119				
N-Nitrosodiphenylamine	881	41.7	"	1670		52.8	10-163				
Pentachlorophenol	618	41.7	"	1670		37.1	10-143				
Phenanthrene	872	41.7	"	1670		52.3	24-123				
Phenol	724	41.7	"	1670		43.5	15-123				
Pyrene	787	41.7	"	1670		47.2	24-132				
Pyridine	578	167	"	1670		34.7	10-92				
Surrogate: 2-Fluorophenol	*2410*		*"*	*2500*		*96.2*	*20-108*				
Surrogate: Phenol-d5	*2620*		*"*	*2510*		*105*	*23-114*				
Surrogate: Nitrobenzene-d5	*1850*		*"*	*1670*		*111*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*1720*		*"*	*1670*		*103*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*3130*		*"*	*2510*		*124*	*30-130*				
Surrogate: Terphenyl-d14	*1420*		*"*	*1670*		*84.9*	*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 BD61508 - EPA 3550C											
LCS Dup (BD61508-BSD1)								Prepared & Analyzed: 04/28/2016			
1,2,4-Trichlorobenzene	698	41.7	ug/kg wet	1670		41.9	23-130		6.43	30	
1,2-Dichlorobenzene	705	41.7	"	1670		42.3	26-113		9.68	30	
1,3-Dichlorobenzene	742	41.7	"	1670		44.5	32-113		5.00	30	
1,4-Dichlorobenzene	699	41.7	"	1670		41.9	28-111		3.51	30	
2,4,5-Trichlorophenol	700	41.7	"	1670		42.0	14-138		5.63	30	
2,4,6-Trichlorophenol	753	41.7	"	1670		45.2	27-122		2.75	30	
2,4-Dichlorophenol	686	41.7	"	1670		41.1	23-133		5.67	30	
2,4-Dimethylphenol	680	41.7	"	1670		40.8	15-131		5.53	30	
2,4-Dinitrophenol	845	83.3	"	1670		50.7	10-149		4.66	30	
2,4-Dinitrotoluene	829	41.7	"	1670		49.8	30-123		3.71	30	
2,6-Dinitrotoluene	851	41.7	"	1670		51.0	30-125		7.32	30	
2-Chloronaphthalene	746	41.7	"	1670		44.8	22-115		2.56	30	
2-Chlorophenol	768	41.7	"	1670		46.1	25-121		4.12	30	
2-Methylnaphthalene	773	41.7	"	1670		46.4	16-127		2.85	30	
2-Methylphenol	672	41.7	"	1670		40.3	10-146		7.32	30	
2-Nitroaniline	782	83.3	"	1670		46.9	24-126		2.32	30	
2-Nitrophenol	744	41.7	"	1670		44.6	17-129		5.57	30	
3- & 4-Methylphenols	658	41.7	"	1670		39.5	20-109		4.94	30	
3,3'-Dichlorobenzidine	724	41.7	"	1670		43.5	10-147		2.80	30	
3-Nitroaniline	626	83.3	"	1670		37.6	23-123		0.531	30	
4,6-Dinitro-2-methylphenol	831	83.3	"	1670		49.9	10-149		0.719	30	
4-Bromophenyl phenyl ether	709	41.7	"	1670		42.5	30-138		6.11	30	
4-Chloro-3-methylphenol	795	41.7	"	1670		47.7	16-138		2.53	30	
4-Chloroaniline	368	41.7	"	1670		22.1	10-117		4.94	30	
4-Chlorophenyl phenyl ether	787	41.7	"	1670		47.2	18-132		1.89	30	
4-Nitroaniline	485	83.3	"	1670		29.1	14-125		2.58	30	
4-Nitrophenol	45.0	83.3	"	1670		2.70	10-136	Low Bias	8.51	30	
Acenaphthene	782	41.7	"	1670		46.9	17-124		4.75	30	
Acenaphthylene	728	41.7	"	1670		43.7	16-124		6.60	30	
Aniline	422	167	"	1670		25.3	10-111		7.67	30	
Anthracene	789	41.7	"	1670		47.4	24-124		5.62	30	
Benzo(a)anthracene	739	41.7	"	1670		44.3	25-134		2.36	30	
Benzo(a)pyrene	775	41.7	"	1670		46.5	29-144		5.66	30	
Benzo(b)fluoranthene	673	41.7	"	1670		40.4	20-151		8.04	30	
Benzo(g,h,i)perylene	788	41.7	"	1670		47.3	10-153		10.8	30	
Benzo(k)fluoranthene	676	41.7	"	1670		40.5	10-148		7.95	30	
Benzyl alcohol	724	41.7	"	1670		43.5	17-128		9.34	30	
Benzyl butyl phthalate	795	41.7	"	1670		47.7	10-132		2.81	30	
Bis(2-chloroethoxy)methane	744	41.7	"	1670		44.7	10-129		1.29	30	
Bis(2-chloroethyl)ether	717	41.7	"	1670		43.0	14-125		3.74	30	
Bis(2-chloroisopropyl)ether	868	41.7	"	1670		52.1	14-122		2.84	30	
Bis(2-ethylhexyl)phthalate	892	41.7	"	1670		53.5	10-141		4.14	30	
Chrysene	751	41.7	"	1670		45.1	24-116		3.10	30	
Dibenzo(a,h)anthracene	867	41.7	"	1670		52.0	17-147		10.6	30	
Dibenzofuran	733	41.7	"	1670		44.0	23-123		8.57	30	
Diethyl phthalate	827	41.7	"	1670		49.6	23-122		0.843	30	
Dimethyl phthalate	814	41.7	"	1670		48.8	28-127		0.613	30	
Di-n-butyl phthalate	848	41.7	"	1670		50.9	19-123		13.0	30	
Di-n-octyl phthalate	811	41.7	"	1670		48.6	10-132		0.246	30	
Fluoranthene	811	41.7	"	1670		48.7	36-125		11.2	30	
Fluorene	818	41.7	"	1670		49.1	16-130		3.88	30	



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 BD61508 - EPA 3550C											
LCS Dup (BD61508-BSD1)								Prepared & Analyzed: 04/28/2016			
Hexachlorobenzene	811	41.7	ug/kg wet	1670		48.7	10-129		11.5	30	
Hexachlorobutadiene	811	41.7	"	1670		48.6	22-153		6.10	30	
Hexachlorocyclopentadiene	201	41.7	"	1670		12.0	10-134		11.0	30	
Hexachloroethane	803	41.7	"	1670		48.2	20-112		2.66	30	
Indeno(1,2,3-cd)pyrene	818	41.7	"	1670		49.1	10-155		10.9	30	
Isophorone	769	41.7	"	1670		46.1	14-131		1.72	30	
Naphthalene	753	41.7	"	1670		45.2	20-121		2.19	30	
Nitrobenzene	777	41.7	"	1670		46.6	20-121		0.556	30	
N-Nitrosodimethylamine	797	41.7	"	1670		47.8	10-124		1.05	30	
N-nitroso-di-n-propylamine	956	41.7	"	1670		57.3	21-119		0.626	30	
N-Nitrosodiphenylamine	832	41.7	"	1670		49.9	10-163		5.68	30	
Pentachlorophenol	620	41.7	"	1670		37.2	10-143		0.323	30	
Phenanthrene	817	41.7	"	1670		49.0	24-123		6.47	30	
Phenol	714	41.7	"	1670		42.8	15-123		1.48	30	
Pyrene	768	41.7	"	1670		46.1	24-132		2.44	30	
Pyridine	542	167	"	1670		32.5	10-92		6.55	30	
Surrogate: 2-Fluorophenol	*2430*		*"*	*2500*		*97.2*	*20-108*				
Surrogate: Phenol-d5	*2520*		*"*	*2510*		*100*	*23-114*				
Surrogate: Nitrobenzene-d5	*1780*		*"*	*1670*		*107*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*1660*		*"*	*1670*		*99.8*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*2980*		*"*	*2510*		*119*	*30-130*				
Surrogate: Terphenyl-d14	*1360*		*"*	*1670*		*81.4*	*24-116*				
Batch BD61584 - EPA 3550C											
Blank (BD61584-BLK1)								Prepared & Analyzed: 04/29/2016			
1,2,4-Trichlorobenzene	ND	41.7	ug/kg wet								
1,2-Dichlorobenzene	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
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	"								



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 BD61584 - EPA 3550C											
Blank (BD61584-BLK1)											
4-Nitrophenol	ND	83.3	ug/kg wet								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
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	"								
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	"								
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	"								
Pyridine	ND	167	"								
Surrogate: 2-Fluorophenol	*983*		*"*	*2500*		*39.3*	*20-108*				
Surrogate: Phenol-d5	*1100*		*"*	*2510*		*43.8*	*23-114*				
Surrogate: Nitrobenzene-d5	*621*		*"*	*1670*		*37.3*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*682*		*"*	*1670*		*40.9*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1100*		*"*	*2510*		*43.6*	*19-110*				
Surrogate: Terphenyl-d14	*580*		*"*	*1670*		*34.7*	*24-116*				

Prepared & Analyzed: 04/29/2016



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 BD61584 - EPA 3550C											
LCS (BD61584-BS1)								Prepared & Analyzed: 04/29/2016			
1,2,4-Trichlorobenzene	844	41.7	ug/kg wet	1670		50.6	23-130				
1,2-Dichlorobenzene	907	41.7	"	1670		54.4	26-113				
1,3-Dichlorobenzene	954	41.7	"	1670		57.2	32-113				
1,4-Dichlorobenzene	843	41.7	"	1670		50.6	28-111				
2,4,5-Trichlorophenol	869	41.7	"	1670		52.2	14-138				
2,4,6-Trichlorophenol	985	41.7	"	1670		59.1	27-122				
2,4-Dichlorophenol	883	41.7	"	1670		53.0	23-133				
2,4-Dimethylphenol	864	41.7	"	1670		51.8	15-131				
2,4-Dinitrophenol	1300	83.3	"	1670		78.1	10-149				
2,4-Dinitrotoluene	1150	41.7	"	1670		69.0	30-123				
2,6-Dinitrotoluene	1010	41.7	"	1670		60.5	30-125				
2-Chloronaphthalene	948	41.7	"	1670		56.9	22-115				
2-Chlorophenol	925	41.7	"	1670		55.5	25-121				
2-Methylnaphthalene	888	41.7	"	1670		53.3	16-127				
2-Methylphenol	837	41.7	"	1670		50.2	10-146				
2-Nitroaniline	1120	83.3	"	1670		67.3	24-126				
2-Nitrophenol	901	41.7	"	1670		54.1	17-129				
3- & 4-Methylphenols	887	41.7	"	1670		53.2	20-109				
3,3'-Dichlorobenzidine	1160	41.7	"	1670		69.5	10-147				
3-Nitroaniline	1000	83.3	"	1670		60.2	23-123				
4,6-Dinitro-2-methylphenol	851	83.3	"	1670		51.1	10-149				
4-Bromophenyl phenyl ether	918	41.7	"	1670		55.1	30-138				
4-Chloro-3-methylphenol	923	41.7	"	1670		55.4	16-138				
4-Chloroaniline	816	41.7	"	1670		49.0	10-117				
4-Chlorophenyl phenyl ether	963	41.7	"	1670		57.8	18-132				
4-Nitroaniline	1250	83.3	"	1670		75.3	14-125				
4-Nitrophenol	810	83.3	"	1670		48.6	10-136				
Acenaphthene	986	41.7	"	1670		59.2	17-124				
Acenaphthylene	873	41.7	"	1670		52.4	16-124				
Aniline	735	167	"	1670		44.1	10-111				
Anthracene	917	41.7	"	1670		55.0	24-124				
Benzo(a)anthracene	731	41.7	"	1670		43.8	25-134				
Benzo(a)pyrene	916	41.7	"	1670		54.9	29-144				
Benzo(b)fluoranthene	843	41.7	"	1670		50.6	20-151				
Benzo(g,h,i)perylene	551	41.7	"	1670		33.0	10-153				
Benzo(k)fluoranthene	808	41.7	"	1670		48.5	10-148				
Benzyl alcohol	1010	41.7	"	1670		60.7	17-128				
Benzyl butyl phthalate	827	41.7	"	1670		49.6	10-132				
Bis(2-chloroethoxy)methane	866	41.7	"	1670		52.0	10-129				
Bis(2-chloroethyl)ether	851	41.7	"	1670		51.0	14-125				
Bis(2-chloroisopropyl)ether	960	41.7	"	1670		57.6	14-122				
Bis(2-ethylhexyl)phthalate	743	41.7	"	1670		44.6	10-141				
Chrysene	866	41.7	"	1670		52.0	24-116				
Dibenzo(a,h)anthracene	744	41.7	"	1670		44.6	17-147				
Dibenzofuran	928	41.7	"	1670		55.7	23-123				
Diethyl phthalate	919	41.7	"	1670		55.2	23-122				
Dimethyl phthalate	1000	41.7	"	1670		60.1	28-127				
Di-n-butyl phthalate	836	41.7	"	1670		50.1	19-123				
Di-n-octyl phthalate	788	41.7	"	1670		47.3	10-132				
Fluoranthene	925	41.7	"	1670		55.5	36-125				
Fluorene	977	41.7	"	1670		58.6	16-130				



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 BD61584 - EPA 3550C											
LCS (BD61584-BS1)							Prepared & Analyzed: 04/29/2016				
Hexachlorobenzene	755	41.7	ug/kg wet	1670		45.3	10-129				
Hexachlorobutadiene	817	41.7	"	1670		49.0	22-153				
Hexachlorocyclopentadiene	577	41.7	"	1670		34.6	10-134				
Hexachloroethane	938	41.7	"	1670		56.3	20-112				
Indeno(1,2,3-cd)pyrene	658	41.7	"	1670		39.5	10-155				
Isophorone	884	41.7	"	1670		53.0	14-131				
Naphthalene	855	41.7	"	1670		51.3	20-121				
Nitrobenzene	849	41.7	"	1670		50.9	20-121				
N-Nitrosodimethylamine	990	41.7	"	1670		59.4	10-124				
N-nitroso-di-n-propylamine	937	41.7	"	1670		56.2	21-119				
N-Nitrosodiphenylamine	912	41.7	"	1670		54.7	10-163				
Pentachlorophenol	971	41.7	"	1670		58.3	10-143				
Phenanthrene	933	41.7	"	1670		56.0	24-123				
Phenol	850	41.7	"	1670		51.0	15-123				
Pyrene	870	41.7	"	1670		52.2	24-132				
Pyridine	679	167	"	1670		40.8	10-92				
Surrogate: 2-Fluorophenol	*1240*		*"*	*2500*		*49.6*	*20-108*				
Surrogate: Phenol-d5	*1260*		*"*	*2510*		*50.1*	*23-114*				
Surrogate: Nitrobenzene-d5	*785*		*"*	*1670*		*47.1*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*769*		*"*	*1670*		*46.1*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1360*		*"*	*2510*		*54.0*	*30-130*				
Surrogate: Terphenyl-d14	*676*		*"*	*1670*		*40.4*	*24-116*				
LCS Dup (BD61584-BSD1)							Prepared & Analyzed: 04/29/2016				
1,2,4-Trichlorobenzene	806	41.7	ug/kg wet	1670		48.3	23-130		4.65	30	
1,2-Dichlorobenzene	847	41.7	"	1670		50.8	26-113		6.84	30	
1,3-Dichlorobenzene	877	41.7	"	1670		52.6	32-113		8.45	30	
1,4-Dichlorobenzene	813	41.7	"	1670		48.8	28-111		3.66	30	
2,4,5-Trichlorophenol	779	41.7	"	1670		46.7	14-138		11.0	30	
2,4,6-Trichlorophenol	858	41.7	"	1670		51.5	27-122		13.9	30	
2,4-Dichlorophenol	855	41.7	"	1670		51.3	23-133		3.22	30	
2,4-Dimethylphenol	817	41.7	"	1670		49.0	15-131		5.59	30	
2,4-Dinitrophenol	1050	83.3	"	1670		63.1	10-149		21.3	30	
2,4-Dinitrotoluene	1010	41.7	"	1670		60.5	30-123		13.1	30	
2,6-Dinitrotoluene	936	41.7	"	1670		56.2	30-125		7.44	30	
2-Chloronaphthalene	852	41.7	"	1670		51.1	22-115		10.7	30	
2-Chlorophenol	842	41.7	"	1670		50.5	25-121		9.36	30	
2-Methylnaphthalene	837	41.7	"	1670		50.2	16-127		5.95	30	
2-Methylphenol	777	41.7	"	1670		46.6	10-146		7.48	30	
2-Nitroaniline	974	83.3	"	1670		58.4	24-126		14.1	30	
2-Nitrophenol	836	41.7	"	1670		50.1	17-129		7.52	30	
3- & 4-Methylphenols	833	41.7	"	1670		50.0	20-109		6.24	30	
3,3'-Dichlorobenzidine	1020	41.7	"	1670		61.0	10-147		12.9	30	
3-Nitroaniline	871	83.3	"	1670		52.3	23-123		14.1	30	
4,6-Dinitro-2-methylphenol	795	83.3	"	1670		47.7	10-149		6.80	30	
4-Bromophenyl phenyl ether	860	41.7	"	1670		51.6	30-138		6.49	30	
4-Chloro-3-methylphenol	837	41.7	"	1670		50.2	16-138		9.85	30	
4-Chloroaniline	643	41.7	"	1670		38.6	10-117		23.8	30	
4-Chlorophenyl phenyl ether	870	41.7	"	1670		52.2	18-132		10.1	30	
4-Nitroaniline	1110	83.3	"	1670		66.5	14-125		12.3	30	
4-Nitrophenol	642	83.3	"	1670		38.5	10-136		23.1	30	



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 BD61584 - EPA 3550C											
LCS Dup (BD61584-BSD1)								Prepared & Analyzed: 04/29/2016			
Acenaphthene	877	41.7	ug/kg wet	1670		52.6	17-124		11.7	30	
Acenaphthylene	803	41.7	"	1670		48.2	16-124		8.39	30	
Aniline	666	167	"	1670		39.9	10-111		9.85	30	
Anthracene	868	41.7	"	1670		52.1	24-124		5.49	30	
Benzo(a)anthracene	724	41.7	"	1670		43.4	25-134		0.963	30	
Benzo(a)pyrene	887	41.7	"	1670		53.2	29-144		3.18	30	
Benzo(b)fluoranthene	778	41.7	"	1670		46.7	20-151		8.02	30	
Benzo(g,h,i)perylene	632	41.7	"	1670		37.9	10-153		13.8	30	
Benzo(k)fluoranthene	785	41.7	"	1670		47.1	10-148		2.89	30	
Benzyl alcohol	914	41.7	"	1670		54.8	17-128		10.2	30	
Benzyl butyl phthalate	756	41.7	"	1670		45.4	10-132		8.97	30	
Bis(2-chloroethoxy)methane	820	41.7	"	1670		49.2	10-129		5.54	30	
Bis(2-chloroethyl)ether	779	41.7	"	1670		46.8	14-125		8.75	30	
Bis(2-chloroisopropyl)ether	913	41.7	"	1670		54.8	14-122		5.02	30	
Bis(2-ethylhexyl)phthalate	753	41.7	"	1670		45.2	10-141		1.29	30	
Chrysene	808	41.7	"	1670		48.5	24-116		7.01	30	
Dibenzo(a,h)anthracene	812	41.7	"	1670		48.7	17-147		8.74	30	
Dibenzofuran	835	41.7	"	1670		50.1	23-123		10.6	30	
Diethyl phthalate	831	41.7	"	1670		49.8	23-122		10.1	30	
Dimethyl phthalate	880	41.7	"	1670		52.8	28-127		12.9	30	
Di-n-butyl phthalate	814	41.7	"	1670		48.8	19-123		2.67	30	
Di-n-octyl phthalate	726	41.7	"	1670		43.6	10-132		8.19	30	
Fluoranthene	868	41.7	"	1670		52.1	36-125		6.32	30	
Fluorene	882	41.7	"	1670		52.9	16-130		10.2	30	
Hexachlorobenzene	720	41.7	"	1670		43.2	10-129		4.84	30	
Hexachlorobutadiene	798	41.7	"	1670		47.9	22-153		2.35	30	
Hexachlorocyclopentadiene	499	41.7	"	1670		30.0	10-134		14.5	30	
Hexachloroethane	871	41.7	"	1670		52.3	20-112		7.37	30	
Indeno(1,2,3-cd)pyrene	697	41.7	"	1670		41.8	10-155		5.76	30	
Isophorone	801	41.7	"	1670		48.1	14-131		9.85	30	
Naphthalene	826	41.7	"	1670		49.5	20-121		3.45	30	
Nitrobenzene	794	41.7	"	1670		47.7	20-121		6.61	30	
N-Nitrosodimethylamine	934	41.7	"	1670		56.0	10-124		5.89	30	
N-nitroso-di-n-propylamine	856	41.7	"	1670		51.4	21-119		9.04	30	
N-Nitrosodiphenylamine	865	41.7	"	1670		51.9	10-163		5.29	30	
Pentachlorophenol	840	41.7	"	1670		50.4	10-143		14.5	30	
Phenanthrene	881	41.7	"	1670		52.8	24-123		5.81	30	
Phenol	791	41.7	"	1670		47.5	15-123		7.15	30	
Pyrene	789	41.7	"	1670		47.3	24-132		9.80	30	
Pyridine	683	167	"	1670		41.0	10-92		0.587	30	
Surrogate: 2-Fluorophenol	*1240*		*"*	*2500*		*49.5*	*20-108*				
Surrogate: Phenol-d5	*1240*		*"*	*2510*		*49.7*	*23-114*				
Surrogate: Nitrobenzene-d5	*772*		*"*	*1670*		*46.3*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*745*		*"*	*1670*		*44.7*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*1360*		*"*	*2510*		*54.0*	*30-130*				
Surrogate: Terphenyl-d14	*664*		*"*	*1670*		*39.7*	*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 BD61487 - EPA 3550C											
Blank (BD61487-BLK1)									Prepared & Analyzed: 04/28/2016		
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	13.2	"								
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: Tetrachloro-m-xylene	*83.2*		*"*	*66.7*		*125*	*30-140*				
Surrogate: Decachlorobiphenyl	*73.6*		*"*	*66.7*		*110*	*30-140*				
LCS (BD61487-BS1)									Prepared & Analyzed: 04/28/2016		
4,4'-DDD	33.3	0.330	ug/kg wet	33.3		100	40-140				
4,4'-DDE	31.8	0.330	"	33.3		95.3	40-140				
4,4'-DDT	31.4	0.330	"	33.3		94.2	40-140				
Aldrin	30.6	0.330	"	33.3		91.7	40-140				
alpha-BHC	38.1	0.330	"	33.3		114	40-140				
alpha-Chlordane	31.7	0.330	"	33.3		95.2	40-140				
beta-BHC	37.1	0.330	"	33.3		111	40-140				
delta-BHC	39.7	0.330	"	33.3		119	40-140				
Dieldrin	30.4	0.330	"	33.3		91.2	40-140				
Endosulfan I	33.1	0.330	"	33.3		99.3	40-140				
Endosulfan II	32.8	0.330	"	33.3		98.4	40-140				
Endosulfan sulfate	30.1	0.330	"	33.3		90.3	40-140				
Endrin	34.2	0.330	"	33.3		103	40-140				
Endrin aldehyde	29.7	0.330	"	33.3		89.0	40-140				
Endrin ketone	37.5	0.330	"	33.3		112	40-140				
gamma-BHC (Lindane)	38.6	0.330	"	33.3		116	40-140				
gamma-Chlordane	32.4	0.330	"	33.3		97.3	40-140				
Heptachlor	36.2	0.330	"	33.3		109	40-140				
Heptachlor epoxide	32.8	0.330	"	33.3		98.3	40-140				
Methoxychlor	36.0	1.65	"	33.3		108	40-140				
Surrogate: Tetrachloro-m-xylene	*54.8*		*"*	*66.7*		*82.2*	*30-140*				
Surrogate: Decachlorobiphenyl	*61.2*		*"*	*66.7*		*91.8*	*30-140*				

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 BD61487 - EPA 3550C											
LCS Dup (BD61487-BSD1)								Prepared & Analyzed: 04/28/2016			
4,4'-DDD	30.3	0.330	ug/kg wet	33.3		91.0	40-140		9.37	30	
4,4'-DDE	29.4	0.330	"	33.3		88.3	40-140		7.70	30	
4,4'-DDT	28.9	0.330	"	33.3		86.7	40-140		8.39	30	
Aldrin	29.7	0.330	"	33.3		89.2	40-140		2.72	30	
alpha-BHC	37.2	0.330	"	33.3		112	40-140		2.49	30	
alpha-Chlordane	30.2	0.330	"	33.3		90.6	40-140		4.96	30	
beta-BHC	35.6	0.330	"	33.3		107	40-140		4.14	30	
delta-BHC	38.0	0.330	"	33.3		114	40-140		4.37	30	
Dieldrin	29.1	0.330	"	33.3		87.4	40-140		4.25	30	
Endosulfan I	30.2	0.330	"	33.3		90.7	40-140		9.03	30	
Endosulfan II	30.6	0.330	"	33.3		91.8	40-140		6.87	30	
Endosulfan sulfate	27.9	0.330	"	33.3		83.6	40-140		7.77	30	
Endrin	31.6	0.330	"	33.3		94.8	40-140		7.91	30	
Endrin aldehyde	27.1	0.330	"	33.3		81.4	40-140		8.89	30	
Endrin ketone	36.4	0.330	"	33.3		109	40-140		2.92	30	
gamma-BHC (Lindane)	37.7	0.330	"	33.3		113	40-140		2.35	30	
gamma-Chlordane	30.7	0.330	"	33.3		92.0	40-140		5.56	30	
Heptachlor	35.1	0.330	"	33.3		105	40-140		3.00	30	
Heptachlor epoxide	31.2	0.330	"	33.3		93.6	40-140		4.84	30	
Methoxychlor	35.9	1.65	"	33.3		108	40-140		0.211	30	
Surrogate: Tetrachloro-m-xylene	*57.6*		*"*	*66.7*		*86.4*	*30-140*				
Surrogate: Decachlorobiphenyl	*57.9*		*"*	*66.7*		*86.9*	*30-140*				
Batch Y6D2911 - BD61230											
Performance Mix (Y6D2911-PEM1)								Prepared & Analyzed: 04/28/2016			
4,4'-DDD	0.521		ng/mL	0.00			0-200				
4,4'-DDE	0.934		"	0.00			0-200				
4,4'-DDT	214		"	200		107	0-200				
Endrin	153		"	100		153	0-200				
Endrin aldehyde	2.35		"	0.00			0-200				
Endrin ketone	9.32		"	0.00			0-200				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y6D2911 - BD61230											
Performance Mix (Y6D2911-PEM2)							Prepared & Analyzed: 04/28/2016				
4,4'-DDD	0.352		ng/mL	0.00			0-200				
4,4'-DDE	0.742		"	0.00			0-200				
4,4'-DDT	225		"	200		112	0-200				
Endrin	160		"	100		160	0-200				
Endrin aldehyde	1.87		"	0.00			0-200				
Endrin ketone	8.91		"	0.00			0-200				
Batch Y6E0218 - BD61230											
Performance Mix (Y6E0218-PEM1)							Prepared & Analyzed: 04/29/2016				
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.951		"	0.00			0-200				
4,4'-DDT	240		"	200		120	0-200				
Endrin	168		"	100		168	0-200				
Endrin aldehyde	1.23		"	0.00			0-200				
Endrin ketone	6.13		"	0.00			0-200				
Performance Mix (Y6E0218-PEM2)							Prepared & Analyzed: 04/29/2016				
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.16		"	0.00			0-200				
4,4'-DDT	242		"	200		121	0-200				
Endrin	178		"	100		178	0-200				
Endrin aldehyde	1.92		"	0.00			0-200				
Endrin ketone	9.25		"	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 BD61487 - EPA 3550C											
Blank (BD61487-BLK2)								Prepared & Analyzed: 04/28/2016			
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	*0.0603*		*"*	*0.0667*		*90.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0577*		*"*	*0.0667*		*86.5*	*30-140*				
LCS (BD61487-BS2)								Prepared & Analyzed: 04/28/2016			
Aroclor 1016	0.388	0.0167	mg/kg wet	0.333		116	40-130				
Aroclor 1260	0.364	0.0167	"	0.333		109	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0563*		*"*	*0.0667*		*84.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0570*		*"*	*0.0667*		*85.5*	*30-140*				
LCS Dup (BD61487-BSD2)								Prepared & Analyzed: 04/28/2016			
Aroclor 1016	0.376	0.0167	mg/kg wet	0.333		113	40-130		3.24	25	
Aroclor 1260	0.370	0.0167	"	0.333		111	40-130		1.62	25	
Surrogate: Tetrachloro-m-xylene	*0.0597*		*"*	*0.0667*		*89.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0610*		*"*	*0.0667*		*91.5*	*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 BD61520 - EPA 3050B											
Blank (BD61520-BLK1)											Prepared & Analyzed: 04/28/2016
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Reference (BD61520-SRM1)											Prepared & Analyzed: 04/28/2016
Aluminum	7070	5.00	mg/kg wet	8060		87.7	38.9-160				
Antimony	97.5	0.500	"	94.0		104	22.8-257.5				
Arsenic	115	1.00	"	113		102	69.7-142.5				
Barium	159	1.00	"	155		102	72.9-127.1				
Beryllium	109	0.100	"	109		99.7	74.7-124.8				
Cadmium	67.8	0.300	"	67.5		100	73.2-126.8				
Calcium	5680	5.00	"	5850		97.1	73.7-126.5				
Chromium	166	0.500	"	164		101	70.7-129.9				
Cobalt	104	0.500	"	100		104	74.4-126				
Copper	128	0.500	"	128		100	75.2-125.8				
Iron	14300	2.00	"	15200		94.3	37.4-162.5				
Lead	88.5	0.300	"	90.1		98.3	70.1-129.9				
Magnesium	2800	5.00	"	2790		101	65.2-135.1				
Manganese	373	0.500	"	363		103	75.8-124.5				
Nickel	103	0.500	"	89.3		115	72-127.7				
Potassium	2670	5.00	"	2770		96.5	61.7-138.3				
Selenium	160	1.00	"	156		102	67.3-132.1				
Silver	51.0	0.500	"	52.6		96.9	66.7-133.5				
Sodium	716	10.0	"	686		104	55.8-144.2				
Thallium	68.1	1.00	"	116		58.7	67.4-131.9	Low Bias			
Vanadium	70.8	1.00	"	73.0		97.0	59.7-139.7				
Zinc	164	1.00	"	168		97.8	69-131.5				

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 BD61479 - EPA 7473 soil											
Blank (BD61479-BLK1)									Prepared & Analyzed: 04/28/2016		
Mercury	ND	0.0300	mg/kg wet								
Reference (BD61479-SRM1)									Prepared & Analyzed: 04/28/2016		
Mercury	6.4745		mg/kg	5.76		112	71.2-129				

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 BD61439 - % Solids Prep											
Duplicate (BD61439-DUP1)	*Source sample: 16D0971-04 (SP-5 (10-12))								Prepared & Analyzed: 04/27/2016		
% Solids	89.9	0.100	%		89.7				0.236	20	

Wet Chemistry 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 BD61561 - EPA SW846-3060											
Blank (BD61561-BLK1)									Prepared & Analyzed: 04/29/2016		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BD61561-SRM1)									Prepared & Analyzed: 04/29/2016		
Chromium, Hexavalent	110		mg/L	108		102	29.8-206				
Batch BE60013 - EPA SW846-3060											
Blank (BE60013-BLK1)									Prepared & Analyzed: 05/02/2016		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BE60013-SRM1)									Prepared & Analyzed: 05/02/2016		
Chromium, Hexavalent	89.8		mg/L	108		83.1	29.8-206				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16D0971-01	SP-4 (0-2)	40mL Vial with Stir Bar-Cool 4° C
16D0971-02	SP-4 (10-12)	40mL Vial with Stir Bar-Cool 4° C
16D0971-03	SP-5 (0-2)	40mL Vial with Stir Bar-Cool 4° C
16D0971-04	SP-5 (10-12)	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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. Data users should consider anything <10x the blank value as artifact.

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

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK ANALYTICAL LABORATORIES INC
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. 16D0971

YOUR Information

Company: Hydro Tech Environmental
Address: 77 Arkay Drive Hauppauge, NY 11788
Phone No. 631-462-5866
Contact Person: Erica
E-Mail Address: Johnston

Report To:

Company: S
Address: A
Phone No. M
Attention: E
E-Mail Address:

Invoice To:

Company: S
Address: AME
Phone No.
Attention: Melissa
E-Mail Address: ward

YOUR Project ID

1600944-542-561
W 29th Street, NY.

Purchase Order No.

8291

Samples from: CT ___ NY X 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 Y
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 X
NYSDEC EQuIS ___
EQuIS (std) ___
EZ-EDD (EQuIS) ___
NJDEP SRP HazSite EDD ___
GIS/KEY (std) ___
Other ___
York Regulatory Comparison Excel Spreadsheet
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Erica Johnston
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)
SP-4(0-2)	4/23/16	S	8260, 8270, Pesticides/PCBs, TAL metals, Trivalent Chrom aka "E" parameters	1 8oz jar, 1 TC set
SP-4(10-12)	↓	↓	↓	↓
SP-5(0-2)				
SP-5(10-12)				

Page 72 of 72

Comments: Standard 4 day TAT as per agreement
Compare to NYSpart 375 Unrestricted + restricted res.

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

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

E [signature] 348 4/26/16
Samples Relinquished By Date/Time

KBahn 4/26/16
Samples Relinquished By Date/Time

KBahn 4/26/16 348pm
Samples Received By Date/Time

TC Bahn 4/26/16 1840
Samples Received in LAB by Date/Time

Temperature on Receipt
3.9 °C

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Report Date: 05/09/2016
Client Project ID: #160094 542-544 West 29n Street New York, NY
York Project (SDG) No.: 16E0060

Report Date: 05/09/2016
Client Project ID: #160094 542-544 West 29n Street New York, NY
York Project (SDG) No.: 16E0060

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 03, 2016 and listed below. The project was identified as your project: **#160094 542-544 West 29n Street New York, NY**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16E0060-01	SP-1 (0-2)	Soil	04/30/2016	05/03/2016
16E0060-02	SP-1 (4-6)	Soil	04/30/2016	05/03/2016
16E0060-03	SP-2 (0-2)	Soil	04/30/2016	05/03/2016
16E0060-04	SP-2 (4-6)	Soil	04/30/2016	05/03/2016
16E0060-05	SP-3 (0-2)	Soil	04/30/2016	05/03/2016
16E0060-06	SP-3 (10-12)	Soil	04/30/2016	05/03/2016

General Notes for York Project (SDG) No.: 16E0060

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

Approved By: 

Date: 05/09/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SP-1 (0-2) **York Sample ID:** 16E0060-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK

Sample Information

Client Sample ID: **SP-1 (0-2)** **York Sample ID:** **16E0060-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: **VOA-CONT**

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
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
67-64-1	**Acetone**	**7.7**	CCV-E, SCAL-E, J	ug/kg dry	5.4	11	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 15:49	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 15:49	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 15:49	BK

Sample Information

Client Sample ID: SP-1 (0-2) **York Sample ID:** 16E0060-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
75-09-2	**Methylene chloride**	**21**	B	ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
91-20-3	**Naphthalene**	**7.4**	B, J	ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/06/2016 08:38	05/06/2016 15:49	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/06/2016 08:38	05/06/2016 15:49	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 15:49	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 15:49	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.5 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*94.8 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*76-130*

Sample Information

Client Sample ID: **SP-1 (0-2)** **York Sample ID:** **16E0060-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,PADEP	05/05/2016 18:21	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,PADEP	05/05/2016 18:21	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,PADEP	05/05/2016 18:21	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	2260	4520	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	2260	4520	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
83-32-9	**Acenaphthene**	**2710**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
62-53-3	Aniline	ND		ug/kg dry	4530	9070	50	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
120-12-7	**Anthracene**	**6840**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
56-55-3	**Benzo(a)anthracene**	**13700**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
50-32-8	**Benzo(a)pyrene**	**5320**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
205-99-2	**Benzo(b)fluoranthene**	**7290**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
191-24-2	**Benzo(g,h,i)perylene**	**1760**	IS-06, J	ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
207-08-9	**Benzo(k)fluoranthene**	**3490**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR

Sample Information

Client Sample ID: **SP-1 (0-2)** **York Sample ID:** **16E0060-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals **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	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	**Carbazole**	**9810**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**12300**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-06	ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**34300**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	**Fluorene**	**4420**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2170**	IS-06, J	ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 18:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-1 (0-2) **York Sample ID:** 16E0060-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
85-01-8	**Phenanthrene**	**28300**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
129-00-0	**Pyrene**	**27000**		ug/kg dry	1130	2260	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR
110-86-1	Pyridine	ND		ug/kg dry	4530	9070	50	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 18:21	SR

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*%*	S-01	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*45.0 %*		*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*%*	S-01	*24-116*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 NELAC-NY10854,NJDEP	05/09/2016 13:36	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	108	108	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC

Sample Information

Client Sample ID: SP-1 (0-2) **York Sample ID:** 16E0060-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Pesticides, 8081 target list

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
72-20-8	Endrin	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 NELAC-NY10854,NJDEP	05/09/2016 13:36	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.69	2.69	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	13.4	13.4	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	136	136	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 13:36	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.5 %*	*30-140*

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:25	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:25	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:25	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:25	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:25	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:25	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:25	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0271	0.0271	1	EPA 8082A Certifications:	05/05/2016 10:57	05/06/2016 17:25	AMC

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SP-1 (0-2) **York Sample ID:** 16E0060-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.5 %*			*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.0 %*			*30-140*						

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3300**		mg/kg dry	5.43	5.43	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**7.40**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**175**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.902**		mg/kg dry	0.326	0.326	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**11700**		mg/kg dry	0.543	5.43	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**10.2**		mg/kg dry	0.543	0.543	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.73**		mg/kg dry	0.543	0.543	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**42.3**		mg/kg dry	0.543	0.543	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**9690**		mg/kg dry	2.17	2.17	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**292**		mg/kg dry	0.326	0.326	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1550**		mg/kg dry	5.43	5.43	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**196**		mg/kg dry	0.543	0.543	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**13.8**		mg/kg dry	0.543	0.543	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1020**		mg/kg dry	5.43	5.43	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.37**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.543	0.543	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SP-1 (0-2) **York Sample ID:** 16E0060-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**170**		mg/kg dry	10.9	10.9	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**13.1**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**254**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/06/2016 23:42	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**2.73**		mg/kg dry	0.0326	0.0326	1	EPA 7473	05/04/2016 06:21	05/04/2016 11:38	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**92.1**		%	0.100	0.100	1	SM 2540G	05/04/2016 13:56	05/04/2016 20:39	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.380	0.543	1	EPA 7196A	05/04/2016 07:57	05/09/2016 14:17	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**10.2**		mg/kg	0.250	0.500	1	Calculation	05/09/2016 14:06	05/09/2016 14:24	SC
								Certifications:			

Sample Information

Client Sample ID: SP-1 (4-6) **York Sample ID:** 16E0060-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	57	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK

Sample Information

Client Sample ID: SP-1 (4-6) **York Sample ID:** 16E0060-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

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
78-93-3	2-Butanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
67-64-1	**Acetone**	**7.4**	CCV-E, SCAL-E, J	ug/kg dry	5.7	11	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
71-43-2	Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:18	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:18	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:18	BK

Sample Information

Client Sample ID: SP-1 (4-6) **York Sample ID:** 16E0060-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
75-09-2	**Methylene chloride**	**18**	B	ug/kg dry	5.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.9	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/06/2016 08:38	05/06/2016 16:18	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/06/2016 08:38	05/06/2016 16:18	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
100-42-5	Styrene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
108-88-3	Toluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:18	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.6	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:18	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*89.0 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*95.0 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.0 %*	*76-130*



Sample Information

Client Sample ID: **SP-1 (4-6)** **York Sample ID:** **16E0060-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.1	190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
83-32-9	Acenaphthene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
62-53-3	Aniline	ND		ug/kg dry	191	381	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
120-12-7	Anthracene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
56-55-3	**Benzo(a)anthracene**	**97.4**	CCV-E	ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
50-32-8	**Benzo(a)pyrene**	**75.3**	J	ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
205-99-2	**Benzo(b)fluoranthene**	**57.0**	J	ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
191-24-2	**Benzo(g,h,i)perylene**	**115**		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
207-08-9	**Benzo(k)fluoranthene**	**64.6**	J	ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH



Sample Information

Client Sample ID: **SP-1 (4-6)** **York Sample ID:** **16E0060-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	Carbazole	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	**Chrysene**	**130**		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	**Fluoranthene**	**320**		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**90.5**	J	ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SP-1 (4-6) **York Sample ID:** 16E0060-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
85-01-8	**Phenanthrene**	**255**		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
129-00-0	**Pyrene**	**229**		ug/kg dry	47.7	95.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH
110-86-1	Pyridine	ND		ug/kg dry	191	381	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:09	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*33.7 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*39.2 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*24.6 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/05/2016 10:57	05/09/2016 14:04	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	113	113	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:04	AMC

Sample Information

Client Sample ID: SP-1 (4-6) **York Sample ID:** 16E0060-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
72-20-8	Endrin	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 NELAC-NY10854,NJDEP	05/09/2016 14:04	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.82	2.82	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	14.1	14.1	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	143	143	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:04	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.7 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*91.3 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:55	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:55	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:55	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:55	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:55	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:55	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 17:55	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0285	0.0285	1	EPA 8082A Certifications:	05/05/2016 10:57	05/06/2016 17:55	AMC

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SP-1 (4-6) **York Sample ID:** 16E0060-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.5 %*			*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*82.0 %*			*30-140*						

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5080**		mg/kg dry	5.70	5.70	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**2.18**		mg/kg dry	0.570	0.570	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**14.4**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**506**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.173**		mg/kg dry	0.114	0.114	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**3.70**		mg/kg dry	0.342	0.342	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**26900**		mg/kg dry	0.570	5.70	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**15.3**		mg/kg dry	0.570	0.570	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.26**		mg/kg dry	0.570	0.570	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**4720**		mg/kg dry	0.570	0.570	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**42100**		mg/kg dry	2.28	2.28	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**1820**		mg/kg dry	0.342	0.342	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2770**		mg/kg dry	5.70	5.70	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**261**		mg/kg dry	0.570	0.570	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**114**		mg/kg dry	0.570	0.570	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1000**		mg/kg dry	5.70	5.70	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**5.48**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.570	0.570	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SP-1 (4-6) **York Sample ID:** 16E0060-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 9:00 am	05/03/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**466**		mg/kg dry	11.4	11.4	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**15.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**2120**		mg/kg dry	1.14	1.14	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:12	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.41**		mg/kg dry	0.0342	0.0342	1	EPA 7473	05/04/2016 06:21	05/04/2016 11:50	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.7**		%	0.100	0.100	1	SM 2540G	05/04/2016 13:56	05/04/2016 20:39	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.399	0.570	1	EPA 7196A	05/04/2016 07:57	05/09/2016 14:17	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.3**		mg/kg	0.250	0.500	1	Calculation	05/09/2016 14:06	05/09/2016 14:24	SC
								Certifications:			

Sample Information

Client Sample ID: **SP-2 (0-2)** **York Sample ID:** **16E0060-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK

Sample Information

Client Sample ID: SP-2 (0-2) **York Sample ID:** 16E0060-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

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
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
67-64-1	**Acetone**	**18**	CCV-E, SCAL-E	ug/kg dry	5.5	11	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 16:48	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 NELAC-NY10854,NJDEP	05/06/2016 16:48	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications:	05/06/2016 08:38 CTDOH,NELAC-NY10854,NJDEP	05/06/2016 16:48	BK

Sample Information

Client Sample ID: SP-2 (0-2) **York Sample ID:** 16E0060-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
75-09-2	**Methylene chloride**	**48**	B	ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/06/2016 08:38	05/06/2016 16:48	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/06/2016 08:38	05/06/2016 16:48	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
100-42-5	Styrene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/06/2016 08:38	05/06/2016 16:48	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/06/2016 08:38	05/06/2016 16:48	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*92.5 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*94.5 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.2 %*	*76-130*

Sample Information

Client Sample ID: SP-2 (0-2) **York Sample ID:** 16E0060-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
91-57-6	**2-Methylnaphthalene**	**104**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
83-32-9	**Acenaphthene**	**463**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
208-96-8	**Acenaphthylene**	**85.4**	J	ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
62-53-3	Aniline	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
120-12-7	**Anthracene**	**925**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
56-55-3	**Benzo(a)anthracene**	**1860**	CCV-E	ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
50-32-8	**Benzo(a)pyrene**	**1770**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
205-99-2	**Benzo(b)fluoranthene**	**1220**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
191-24-2	**Benzo(g,h,i)perylene**	**1160**	CCV-E	ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
207-08-9	**Benzo(k)fluoranthene**	**1250**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR



Sample Information

Client Sample ID: **SP-2 (0-2)** **York Sample ID:** **16E0060-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	**Carbazole**	**369**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**1610**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	**Dibenzo(a,h)anthracene**	**565**	CCV-E	ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	**Dibenzofuran**	**245**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	**Di-n-butyl phthalate**	**67.9**	J	ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**5240**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	**Fluorene**	**416**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1090**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	**Naphthalene**	**161**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-2 (0-2) **York Sample ID:** 16E0060-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
85-01-8	**Phenanthrene**	**2930**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR
129-00-0	**Pyrene**	**4950**		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 17:50	SR
110-86-1	Pyridine	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:40	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*53.1 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*55.3 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*48.2 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/05/2016 10:57	05/09/2016 14:19	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	108	108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:19	AMC

Sample Information

Client Sample ID: SP-2 (0-2) **York Sample ID:** 16E0060-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Pesticides, 8081 target list

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
72-20-8	Endrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 NELAC-NY10854,NJDEP	05/09/2016 14:19	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.71	2.71	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	13.5	13.5	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	137	137	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:19	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.1 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.9 %*	*30-140*

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:24	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:24	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:24	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:24	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:24	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:24	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:24	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A Certifications:	05/05/2016 10:57	05/06/2016 18:24	AMC

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SP-2 (0-2) **York Sample ID:** 16E0060-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Polychlorinated Biphenyls (PCB)

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

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.0 %*			*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*76.5 %*			*30-140*						

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6690**		mg/kg dry	5.47	5.47	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**0.566**		mg/kg dry	0.547	0.547	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**8.25**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**244**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.200**		mg/kg dry	0.109	0.109	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.585**		mg/kg dry	0.328	0.328	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**14000**		mg/kg dry	0.547	5.47	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**15.6**		mg/kg dry	0.547	0.547	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.50**		mg/kg dry	0.547	0.547	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**58.2**		mg/kg dry	0.547	0.547	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**11900**		mg/kg dry	2.19	2.19	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**662**		mg/kg dry	0.328	0.328	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2800**		mg/kg dry	5.47	5.47	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**346**		mg/kg dry	0.547	0.547	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**15.2**		mg/kg dry	0.547	0.547	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1510**		mg/kg dry	5.47	5.47	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.59**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.547	0.547	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SP-2 (0-2) **York Sample ID:** 16E0060-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**364**		mg/kg dry	10.9	10.9	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**19.8**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**210**		mg/kg dry	1.09	1.09	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:19	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**4.73**		mg/kg dry	0.0328	0.0328	1	EPA 7473	05/04/2016 06:21	05/04/2016 14:02	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.3**		%	0.100	0.100	1	SM 2540G	05/04/2016 13:56	05/04/2016 20:39	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.383	0.547	1	EPA 7196A	05/04/2016 07:57	05/09/2016 14:17	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**15.6**		mg/kg	0.250	0.500	1	Calculation	05/09/2016 14:06	05/09/2016 14:24	SC
								Certifications:			

Sample Information

Client Sample ID: **SP-2 (4-6)** **York Sample ID:** **16E0060-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	91	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK

Sample Information

Client Sample ID: SP-2 (4-6) **York Sample ID:** 16E0060-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Volatile Organics, 8260 List

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
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP	BK
67-64-1	Acetone	ND		ug/kg dry	4.6	9.1	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP	BK
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 NELAC-NY10854,NJDEP	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 NELAC-NY10854,NJDEP	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 NELAC-NY10854,NJDEP,PADEP	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 NELAC-NY10854,NJDEP	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 NELAC-NY10854,NJDEP	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 NELAC-NY10854,NJDEP	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	05/04/2016 16:46	05/05/2016 03:47 CTDOH,NELAC-NY10854,NJDEP	BK

Sample Information

Client Sample ID: SP-2 (4-6) **York Sample ID:** 16E0060-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Volatile Organics, 8260 List

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
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/04/2016 16:46	05/05/2016 03:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	05/04/2016 16:46	05/05/2016 03:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
108-88-3	**Toluene**	**3.2**	J	ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 03:47	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.9	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 03:47	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.3 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*93.4 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.4 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **SP-2 (4-6)** **York Sample ID:** **16E0060-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 NELAC-NY10854,PADEP	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 NELAC-NY10854,PADEP	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 NELAC-NY10854,PADEP	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.5	189	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.5	189	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	189	378	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	Anthracene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**72.5**	CCV-E, J	ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	**Benzo(a)pyrene**	**67.2**	J	ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	**Benzo(b)fluoranthene**	**63.4**	J	ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	**Benzo(g,h,i)perylene**	**62.7**	J, CCV-E	ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	**Benzo(k)fluoranthene**	**55.1**	J	ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 13:08 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-2 (4-6) **York Sample ID:** 16E0060-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
86-74-8	Carbazole	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
218-01-9	**Chrysene**	**69.5**	J	ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
206-44-0	**Fluoranthene**	**141**		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
86-73-7	Fluorene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
78-59-1	Isophorone	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR

Sample Information

Client Sample ID: SP-2 (4-6) **York Sample ID:** 16E0060-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
85-01-8	**Phenanthrene**	**95.9**		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
129-00-0	**Pyrene**	**115**		ug/kg dry	47.3	94.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR
110-86-1	Pyridine	ND		ug/kg dry	189	378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 13:08	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*47.8 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*51.9 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*44.6 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/05/2016 10:57	05/09/2016 14:34	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	112	112	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:34	AMC

Sample Information

Client Sample ID: SP-2 (4-6) **York Sample ID:** 16E0060-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications:	05/05/2016 10:57 NELAC-NY10854,NJDEP	05/09/2016 14:34	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.80	2.80	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	14.0	14.0	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	142	142	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:34	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*90.9 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*101 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:53	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:53	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:53	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:53	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:53	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:53	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 18:53	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0283	0.0283	1	EPA 8082A Certifications:	05/05/2016 10:57	05/06/2016 18:53	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.5 %*	*30-140*

Sample Information

Client Sample ID: **SP-2 (4-6)** **York Sample ID:** **16E0060-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4090**		mg/kg dry	5.66	5.66	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	0.566	0.566	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**2.09**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**52.4**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	**Beryllium**	**0.192**		mg/kg dry	0.113	0.113	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.340	0.340	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**3090**		mg/kg dry	0.566	5.66	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**9.72**		mg/kg dry	0.566	0.566	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**6.01**		mg/kg dry	0.566	0.566	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**24.3**		mg/kg dry	0.566	0.566	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**11600**		mg/kg dry	2.27	2.27	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**37.0**		mg/kg dry	0.340	0.340	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**1930**		mg/kg dry	5.66	5.66	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**197**		mg/kg dry	0.566	0.566	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**14.1**		mg/kg dry	0.566	0.566	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**1020**		mg/kg dry	5.66	5.66	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	**Selenium**	**1.15**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.566	0.566	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**382**		mg/kg dry	11.3	11.3	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**12.1**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**55.2**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:27	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SP-2 (4-6) **York Sample ID:** 16E0060-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 10:00 am	05/03/2016

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.368**		mg/kg dry	0.0340	0.0340	1	EPA 7473	05/04/2016 06:21	05/04/2016 12:14	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.3**		%	0.100	0.100	1	SM 2540G	05/04/2016 13:56	05/04/2016 20:39	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.396	0.566	1	EPA 7196A	05/04/2016 07:57	05/09/2016 14:17	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**9.71**		mg/kg	0.250	0.500	1	Calculation	05/09/2016 14:06	05/09/2016 14:24	SC
								Certifications:			

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Volatile Organics, 8260 List

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	4.0	8.0	1	EPA 8260C	05/04/2016 16:46	05/05/2016 04:17	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	05/04/2016 16:46	05/05/2016 04:17	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Volatile Organics, 8260 List

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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	80	160	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
78-93-3	2-Butanone	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Volatile Organics, 8260 List

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	SCAL-E	ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
71-43-2	Benzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
108-86-1	Bromobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
75-25-2	Bromoform	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
74-83-9	Bromomethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
75-00-3	Chloroethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
67-66-3	Chloroform	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
74-87-3	Chloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
74-95-3	Dibromomethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK
75-09-2	Methylene chloride	ND		ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:17	BK
91-20-3	Naphthalene	ND		ug/kg dry	4.0	16	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:17	BK

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Volatile Organics, 8260 List

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
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
95-47-6	o-Xylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854	05/05/2016 04:17	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.0	16	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854	05/05/2016 04:17	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
100-42-5	Styrene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
108-88-3	Toluene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:17	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.0	8.0	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	12	24	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:17	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.6 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*94.1 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.1 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,PADEP	05/05/2016 17:19	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,PADEP	05/05/2016 17:19	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,PADEP	05/05/2016 17:19	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.0	188	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
83-32-9	**Acenaphthene**	**160**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
62-53-3	Aniline	ND		ug/kg dry	188	377	2	EPA 8270D Certifications:	05/05/2016 06:45 NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
120-12-7	**Anthracene**	**537**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
56-55-3	**Benzo(a)anthracene**	**2340**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
50-32-8	**Benzo(a)pyrene**	**822**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
205-99-2	**Benzo(b)fluoranthene**	**1010**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
191-24-2	**Benzo(g,h,i)perylene**	**383**	IS-06	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
207-08-9	**Benzo(k)fluoranthene**	**749**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR
85-68-7	**Benzyl butyl phthalate**	**3250**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 17:19	SR



Sample Information

Client Sample ID: **SP-3 (0-2)** **York Sample ID:** **16E0060-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**232**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	**Carbazole**	**1050**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**2400**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	**Dibenzo(a,h)anthracene**	**153**	IS-06	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	**Dibenzofuran**	**71.4**	J	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	**Di-n-butyl phthalate**	**77.4**	J	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**6060**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	**Fluorene**	**237**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**420**	IS-06	ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 17:19 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 17:19	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 17:19	SR
85-01-8	**Phenanthrene**	**3060**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 17:19	SR
129-00-0	**Pyrene**	**5970**		ug/kg dry	47.1	94.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 17:19	SR
110-86-1	Pyridine	ND		ug/kg dry	188	377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 17:19	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*79.2 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*64.2 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*77.7 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/05/2016 10:57	05/09/2016 14:50	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	112	112	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 14:50	AMC

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications:	05/05/2016 10:57 NELAC-NY10854,NJDEP	05/09/2016 14:50	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.79	2.79	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	14.0	14.0	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	141	141	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 14:50	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.3 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.6 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:22	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:22	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:22	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:22	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:22	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:22	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:22	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0282	0.0282	1	EPA 8082A Certifications:	05/05/2016 10:57	05/06/2016 19:22	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*69.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.5 %*	*30-140*

Sample Information

Client Sample ID: **SP-3 (0-2)** **York Sample ID:** **16E0060-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3960**		mg/kg dry	5.64	5.64	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**15.4**		mg/kg dry	0.564	0.564	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**15.2**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**587**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**8.25**		mg/kg dry	0.338	0.338	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**13900**		mg/kg dry	0.564	5.64	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**24.0**		mg/kg dry	0.564	0.564	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.00**		mg/kg dry	0.564	0.564	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**6370**		mg/kg dry	0.564	0.564	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12500**		mg/kg dry	2.26	2.26	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**1180**		mg/kg dry	0.338	0.338	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2200**		mg/kg dry	5.64	5.64	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**241**		mg/kg dry	0.564	0.564	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**21.6**		mg/kg dry	0.564	0.564	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**827**		mg/kg dry	5.64	5.64	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.30**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.564	0.564	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**432**		mg/kg dry	11.3	11.3	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**12.6**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SP-3 (0-2) **York Sample ID:** 16E0060-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**1990**		mg/kg dry	1.13	1.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:32	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**2.31**		mg/kg dry	0.0338	0.0338	1	EPA 7473	05/04/2016 06:21	05/04/2016 12:22	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**88.7**		%	0.100	0.100	1	SM 2540G	05/04/2016 13:56	05/04/2016 20:39	TJM
								Certifications:	CTDOH		

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.395	0.564	1	EPA 7196A	05/04/2016 07:57	05/09/2016 14:17	SC
								Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**24.0**		mg/kg	0.250	0.500	1	Calculation	05/09/2016 14:06	05/09/2016 14:24	SC
								Certifications:			

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Volatile Organics, 8260 List

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

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2016 16:46	05/05/2016 04:47	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2016 16:46	05/05/2016 04:47	BK

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Volatile Organics, 8260 List

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
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
67-64-1	Acetone	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
71-43-2	Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Volatile Organics, 8260 List

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
91-20-3	Naphthalene	ND		ug/kg dry	2.6	10	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854	05/05/2016 04:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854	05/05/2016 04:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
100-42-5	Styrene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
108-88-3	Toluene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 NELAC-NY10854,NJDEP	05/05/2016 04:47	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.7	15	1	EPA 8260C Certifications:	05/04/2016 16:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 04:47	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.7 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*92.8 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.2 %*	*76-130*

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Information

Client Sample ID: **SP-3 (10-12)** **York Sample ID:** **16E0060-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 NELAC-NY10854,PADEP	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 NELAC-NY10854,PADEP	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 NELAC-NY10854,PADEP	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 NELAC-NY10854,NJDEP,PADEP	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	88.7	177	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	88.7	177	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
83-32-9	Acenaphthene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
62-53-3	Aniline	ND		ug/kg dry	178	355	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 NELAC-NY10854,NJDEP,PADEP	SR
120-12-7	Anthracene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
56-55-3	**Benzo(a)anthracene**	**74.5**	J	ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-74-8	**Carbazole**	**110**		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
218-01-9	**Chrysene**	**68.8**	J	ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
206-44-0	**Fluoranthene**	**175**		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
86-73-7	**Fluorene**	**83.0**	J	ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 NELAC-NY10854,NJDEP,PADEP	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
78-59-1	Isophorone	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications:	05/05/2016 06:45	05/05/2016 16:16 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Semi-Volatiles, 8270 Base/Neutrals

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 16:16	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 16:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 16:16	SR
85-01-8	**Phenanthrene**	**184**		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 16:16	SR
129-00-0	**Pyrene**	**169**		ug/kg dry	44.5	88.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 16:16	SR
110-86-1	Pyridine	ND		ug/kg dry	178	355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 06:45	05/05/2016 16:16	SR

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*105 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*94.0 %*	*21-113*
1718-51-0	*Surrogate: Terphenyl-d14*	*105 %*	*24-116*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
72-55-9	4,4'-DDE	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
50-29-3	4,4'-DDT	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
309-00-2	Aldrin	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
319-84-6	alpha-BHC	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/05/2016 10:57	05/09/2016 15:05	AMC
319-85-7	beta-BHC	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
57-74-9	Chlordane, total	ND		ug/kg dry	105	105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
319-86-8	delta-BHC	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
60-57-1	Dieldrin	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
959-98-8	Endosulfan I	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC
33213-65-9	Endosulfan II	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/05/2016 10:57	05/09/2016 15:05	AMC

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
72-20-8	Endrin	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
53494-70-5	Endrin ketone	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 NELAC-NY10854,NJDEP	05/09/2016 15:05	AMC
76-44-8	Heptachlor	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.63	2.63	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
72-43-5	Methoxychlor	ND		ug/kg dry	13.2	13.2	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC
8001-35-2	Toxaphene	ND		ug/kg dry	133	133	5	EPA 8081B Certifications:	05/05/2016 10:57 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2016 15:05	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*102 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:52	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:52	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:52	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:52	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:52	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:52	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/06/2016 19:52	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0266	0.0266	1	EPA 8082A Certifications:	05/05/2016 10:57	05/06/2016 19:52	AMC

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.0 %*			*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.5 %*			*30-140*						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4630**		mg/kg dry	5.32	5.32	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	0.532	0.532	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**2.40**		mg/kg dry	1.06	1.06	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**33.5**		mg/kg dry	1.06	1.06	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.198**		mg/kg dry	0.106	0.106	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.319	0.319	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**1140**		mg/kg dry	0.532	5.32	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**12.1**		mg/kg dry	0.532	0.532	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**4.35**		mg/kg dry	0.532	0.532	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**19.1**		mg/kg dry	0.532	0.532	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**9020**		mg/kg dry	2.13	2.13	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**6.58**		mg/kg dry	0.319	0.319	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1900**		mg/kg dry	5.32	5.32	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**143**		mg/kg dry	0.532	0.532	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**10.7**		mg/kg dry	0.532	0.532	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**982**		mg/kg dry	5.32	5.32	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**1.08**		mg/kg dry	1.06	1.06	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.532	0.532	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: SP-3 (10-12) **York Sample ID:** 16E0060-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0060	#160094 542-544 West 29n Street New York, NY	Soil	April 30, 2016 11:00 am	05/03/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**186**		mg/kg dry	10.6	10.6	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**13.3**		mg/kg dry	1.06	1.06	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**19.1**		mg/kg dry	1.06	1.06	1	EPA 6010C	05/06/2016 11:49	05/07/2016 00:40	KV
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0319	0.0319	1	EPA 7473	05/04/2016 06:21	05/04/2016 12:35	ALD
								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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.0**		%	0.100	0.100	1	SM 2540G	05/04/2016 13:56	05/04/2016 20:39	TJM
								Certifications: CTDOH			

Chromium, Hexavalent

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

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**1.96**		mg/kg dry	0.372	0.532	1	EPA 7196A	05/04/2016 07:57	05/09/2016 14:17	SC
								Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**12.1**		mg/kg	0.250	0.500	1	Calculation	05/09/2016 14:06	05/09/2016 14:24	SC
								Certifications:			

Analytical Batch Summary

Batch ID: BE60138 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/04/16
16E0060-02	SP-1 (4-6)	05/04/16
16E0060-03	SP-2 (0-2)	05/04/16
16E0060-04	SP-2 (4-6)	05/04/16
16E0060-05	SP-3 (0-2)	05/04/16
16E0060-06	SP-3 (10-12)	05/04/16
BE60138-BLK1	Blank	05/04/16
BE60138-SRM1	Reference	05/04/16

Batch ID: BE60148 **Preparation Method:** EPA SW846-3060 **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/04/16
16E0060-02	SP-1 (4-6)	05/04/16
16E0060-03	SP-2 (0-2)	05/04/16
16E0060-04	SP-2 (4-6)	05/04/16
16E0060-05	SP-3 (0-2)	05/04/16
16E0060-06	SP-3 (10-12)	05/04/16
BE60148-BLK1	Blank	05/04/16
BE60148-SRM1	Reference	05/04/16

Batch ID: BE60182 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/04/16
16E0060-02	SP-1 (4-6)	05/04/16
16E0060-03	SP-2 (0-2)	05/04/16
16E0060-04	SP-2 (4-6)	05/04/16
16E0060-05	SP-3 (0-2)	05/04/16
16E0060-06	SP-3 (10-12)	05/04/16

Batch ID: BE60184 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-04	SP-2 (4-6)	05/04/16
16E0060-05	SP-3 (0-2)	05/04/16
16E0060-06	SP-3 (10-12)	05/04/16
BE60184-BLK1	Blank	05/04/16
BE60184-BS1	LCS	05/04/16
BE60184-BSD1	LCS Dup	05/04/16

Batch ID: BE60211 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/05/16
16E0060-02	SP-1 (4-6)	05/05/16
16E0060-03	SP-2 (0-2)	05/05/16
16E0060-04	SP-2 (4-6)	05/05/16
16E0060-05	SP-3 (0-2)	05/05/16
16E0060-06	SP-3 (10-12)	05/05/16
BE60211-BLK1	Blank	05/05/16
BE60211-BS1	LCS	05/05/16
BE60211-BSD1	LCS Dup	05/05/16

Batch ID: BE60240 **Preparation Method:** EPA 3545A **Prepared By:** MGL

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/05/16
16E0060-01	SP-1 (0-2)	05/05/16
16E0060-02	SP-1 (4-6)	05/05/16
16E0060-02	SP-1 (4-6)	05/05/16
16E0060-03	SP-2 (0-2)	05/05/16
16E0060-03	SP-2 (0-2)	05/05/16
16E0060-04	SP-2 (4-6)	05/05/16
16E0060-04	SP-2 (4-6)	05/05/16
16E0060-05	SP-3 (0-2)	05/05/16
16E0060-05	SP-3 (0-2)	05/05/16
16E0060-06	SP-3 (10-12)	05/05/16
16E0060-06	SP-3 (10-12)	05/05/16
BE60240-BLK1	Blank	05/05/16
BE60240-BLK2	Blank	05/05/16
BE60240-BS1	LCS	05/05/16
BE60240-BS2	LCS	05/05/16
BE60240-BSD1	LCS Dup	05/05/16

Batch ID: BE60292 **Preparation Method:** EPA 5035A **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/06/16
16E0060-02	SP-1 (4-6)	05/06/16
16E0060-03	SP-2 (0-2)	05/06/16
BE60292-BLK1	Blank	05/06/16
BE60292-BLK2	Blank	05/06/16
BE60292-BS1	LCS	05/06/16
BE60292-BSD1	LCS Dup	05/06/16

Batch ID: BE60314 **Preparation Method:** EPA 3050B **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/06/16
16E0060-02	SP-1 (4-6)	05/06/16
16E0060-03	SP-2 (0-2)	05/06/16
16E0060-04	SP-2 (4-6)	05/06/16

16E0060-05	SP-3 (0-2)	05/06/16
16E0060-06	SP-3 (10-12)	05/06/16
BE60314-BLK1	Blank	05/06/16
BE60314-DUP1	Duplicate	05/06/16
BE60314-MS1	Matrix Spike	05/06/16
BE60314-SRM1	Reference	05/06/16

Batch ID: BE60406 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16E0060-01	SP-1 (0-2)	05/09/16
16E0060-02	SP-1 (4-6)	05/09/16
16E0060-03	SP-2 (0-2)	05/09/16
16E0060-04	SP-2 (4-6)	05/09/16
16E0060-05	SP-3 (0-2)	05/09/16
16E0060-06	SP-3 (10-12)	05/09/16

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60184 - EPA 5035A											
Blank (BE60184-BLK1)											Prepared & Analyzed: 05/04/2016
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	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	"								
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 tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	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 BE60184 - EPA 5035A											
Blank (BE60184-BLK1)								Prepared & Analyzed: 05/04/2016			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	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 acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*47.0*		*ug/L*	*50.0*		*94.0*	*77-125*				
Surrogate: Toluene-d8	*47.1*		*"*	*50.0*		*94.2*	*85-120*				
Surrogate: p-Bromofluorobenzene	*46.8*		*"*	*50.0*		*93.7*	*76-130*				
LCS (BE60184-BS1)								Prepared & Analyzed: 05/04/2016			
1,1,1,2-Tetrachloroethane	46.4		ug/L	50.0		92.7	75-129				
1,1,1-Trichloroethane	55.5		"	50.0		111	71-137				
1,1,2,2-Tetrachloroethane	44.0		"	50.0		88.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146				
1,1,2-Trichloroethane	43.6		"	50.0		87.2	83-123				
1,1-Dichloroethane	55.7		"	50.0		111	75-130				
1,1-Dichloroethylene	50.6		"	50.0		101	64-137				
1,1-Dichloropropylene	53.1		"	50.0		106	77-127				
1,2,3-Trichlorobenzene	52.1		"	50.0		104	81-140				
1,2,3-Trichloropropane	41.7		"	50.0		83.3	81-126				
1,2,4-Trichlorobenzene	53.0		"	50.0		106	80-141				
1,2,4-Trimethylbenzene	45.1		"	50.0		90.2	84-125				
1,2-Dibromo-3-chloropropane	38.7		"	50.0		77.4	74-142				
1,2-Dibromoethane	46.2		"	50.0		92.3	86-123				
1,2-Dichlorobenzene	48.6		"	50.0		97.3	85-122				
1,2-Dichloroethane	50.9		"	50.0		102	71-133				
1,2-Dichloropropane	45.2		"	50.0		90.5	81-122				
1,3,5-Trimethylbenzene	44.4		"	50.0		88.8	82-126				
1,3-Dichlorobenzene	48.3		"	50.0		96.7	84-124				
1,3-Dichloropropane	44.8		"	50.0		89.6	83-123				
1,4-Dichlorobenzene	47.7		"	50.0		95.4	84-124				
1,4-Dioxane	975		"	1000		97.5	10-228				
2,2-Dichloropropane	50.0		"	50.0		99.9	67-136				
2-Butanone	49.6		"	50.0		99.2	58-147				
2-Chlorotoluene	40.5		"	50.0		80.9	78-127				
4-Chlorotoluene	39.9		"	50.0		79.8	79-125				
Acetone	44.2		"	50.0		88.5	36-155				
Benzene	57.8		"	50.0		116	77-127				
Bromobenzene	44.7		"	50.0		89.3	77-129				
Bromochloromethane	52.0		"	50.0		104	74-129				
Bromodichloromethane	44.5		"	50.0		89.1	81-124				
Bromoform	48.3		"	50.0		96.6	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60184 - EPA 5035A											
LCS (BE60184-BS1)								Prepared & Analyzed: 05/04/2016			
Bromomethane	51.6		ug/L	50.0		103	32-177				
Carbon tetrachloride	52.4		"	50.0		105	66-143				
Chlorobenzene	48.2		"	50.0		96.4	86-120				
Chloroethane	57.9		"	50.0		116	51-142				
Chloroform	53.8		"	50.0		108	76-131				
Chloromethane	56.3		"	50.0		113	49-132				
cis-1,2-Dichloroethylene	59.3		"	50.0		119	74-132				
cis-1,3-Dichloropropylene	45.6		"	50.0		91.2	81-129				
Dibromochloromethane	45.0		"	50.0		90.1	10-200				
Dibromomethane	47.7		"	50.0		95.3	83-124				
Dichlorodifluoromethane	57.9		"	50.0		116	28-158				
Ethyl Benzene	44.4		"	50.0		88.8	84-125				
Hexachlorobutadiene	47.8		"	50.0		95.5	83-133				
Isopropylbenzene	43.1		"	50.0		86.2	81-127				
Methyl tert-butyl ether (MTBE)	52.3		"	50.0		105	74-131				
Methylene chloride	50.0		"	50.0		99.9	57-141				
Naphthalene	50.1		"	50.0		100	86-141				
n-Butylbenzene	43.3		"	50.0		86.7	80-130				
n-Propylbenzene	41.2		"	50.0		82.4	74-136				
o-Xylene	42.6		"	50.0		85.1	83-123				
p- & m- Xylenes	85.7		"	100		85.7	82-128				
p-Isopropyltoluene	46.3		"	50.0		92.7	85-125				
sec-Butylbenzene	42.5		"	50.0		85.0	83-125				
Styrene	51.3		"	50.0		103	86-126				
tert-Butylbenzene	46.6		"	50.0		93.2	80-127				
Tetrachloroethylene	49.8		"	50.0		99.7	80-129				
Toluene	46.5		"	50.0		93.0	85-121				
trans-1,2-Dichloroethylene	52.0		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	43.4		"	50.0		86.7	78-132				
Trichloroethylene	45.6		"	50.0		91.2	84-123				
Trichlorofluoromethane	49.2		"	50.0		98.4	62-140				
Vinyl acetate	50.7		"	50.0		101	67-136				
Vinyl Chloride	56.6		"	50.0		113	52-130				
Surrogate: 1,2-Dichloroethane-d4	*47.7*		*"*	*50.0*		*95.4*	*77-125*				
Surrogate: Toluene-d8	*46.1*		*"*	*50.0*		*92.2*	*85-120*				
Surrogate: p-Bromofluorobenzene	*54.5*		*"*	*50.0*		*109*	*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 BE60184 - EPA 5035A											
LCS Dup (BE60184-BSD1)								Prepared & Analyzed: 05/04/2016			
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		98.1	75-129		5.62	30	
1,1,1-Trichloroethane	53.9		"	50.0		108	71-137		2.85	30	
1,1,2,2-Tetrachloroethane	44.1		"	50.0		88.2	79-129		0.204	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146		0.0189	30	
1,1,2-Trichloroethane	46.6		"	50.0		93.2	83-123		6.61	30	
1,1-Dichloroethane	54.2		"	50.0		108	75-130		2.84	30	
1,1-Dichloroethylene	50.5		"	50.0		101	64-137		0.178	30	
1,1-Dichloropropylene	53.9		"	50.0		108	77-127		1.42	30	
1,2,3-Trichlorobenzene	52.0		"	50.0		104	81-140		0.269	30	
1,2,3-Trichloropropane	43.7		"	50.0		87.4	81-126		4.80	30	
1,2,4-Trichlorobenzene	53.4		"	50.0		107	80-141		0.789	30	
1,2,4-Trimethylbenzene	45.3		"	50.0		90.5	84-125		0.376	30	
1,2-Dibromo-3-chloropropane	38.2		"	50.0		76.4	74-142		1.27	30	
1,2-Dibromoethane	48.9		"	50.0		97.9	86-123		5.82	30	
1,2-Dichlorobenzene	48.7		"	50.0		97.4	85-122		0.164	30	
1,2-Dichloroethane	50.2		"	50.0		100	71-133		1.33	30	
1,2-Dichloropropane	47.6		"	50.0		95.3	81-122		5.17	30	
1,3,5-Trimethylbenzene	44.6		"	50.0		89.1	82-126		0.382	30	
1,3-Dichlorobenzene	49.1		"	50.0		98.3	84-124		1.64	30	
1,3-Dichloropropane	46.7		"	50.0		93.4	83-123		4.11	30	
1,4-Dichlorobenzene	48.5		"	50.0		96.9	84-124		1.56	30	
1,4-Dioxane	892		"	1000		89.2	10-228		8.88	30	
2,2-Dichloropropane	51.4		"	50.0		103	67-136		2.78	30	
2-Butanone	49.6		"	50.0		99.2	58-147		0.0202	30	
2-Chlorotoluene	41.7		"	50.0		83.4	78-127		2.97	30	
4-Chlorotoluene	40.4		"	50.0		80.8	79-125		1.25	30	
Acetone	41.2		"	50.0		82.3	36-155		7.19	30	
Benzene	58.2		"	50.0		116	77-127		0.673	30	
Bromobenzene	44.4		"	50.0		88.7	77-129		0.696	30	
Bromochloromethane	52.5		"	50.0		105	74-129		0.957	30	
Bromodichloromethane	47.1		"	50.0		94.3	81-124		5.69	30	
Bromoform	50.3		"	50.0		101	80-136		3.94	30	
Bromomethane	54.8		"	50.0		110	32-177		6.09	30	
Carbon tetrachloride	51.8		"	50.0		104	66-143		1.08	30	
Chlorobenzene	49.3		"	50.0		98.6	86-120		2.28	30	
Chloroethane	57.0		"	50.0		114	51-142		1.60	30	
Chloroform	54.8		"	50.0		110	76-131		1.97	30	
Chloromethane	55.4		"	50.0		111	49-132		1.52	30	
cis-1,2-Dichloroethylene	59.8		"	50.0		120	74-132		0.756	30	
cis-1,3-Dichloropropylene	46.3		"	50.0		92.5	81-129		1.46	30	
Dibromochloromethane	47.9		"	50.0		95.7	10-200		6.05	30	
Dibromomethane	46.8		"	50.0		93.7	83-124		1.74	30	
Dichlorodifluoromethane	58.0		"	50.0		116	28-158		0.138	30	
Ethyl Benzene	45.8		"	50.0		91.6	84-125		3.13	30	
Hexachlorobutadiene	50.0		"	50.0		100	83-133		4.64	30	
Isopropylbenzene	42.2		"	50.0		84.5	81-127		2.01	30	
Methyl tert-butyl ether (MTBE)	53.0		"	50.0		106	74-131		1.37	30	
Methylene chloride	50.8		"	50.0		102	57-141		1.65	30	
Naphthalene	50.1		"	50.0		100	86-141		0.0798	30	
n-Butylbenzene	42.6		"	50.0		85.2	80-130		1.77	30	
n-Propylbenzene	40.5		"	50.0		81.1	74-136		1.64	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 BE60184 - EPA 5035A											
LCS Dup (BE60184-BSD1)								Prepared & Analyzed: 05/04/2016			
o-Xylene	43.9		ug/L	50.0		87.7	83-123		3.01	30	
p- & m- Xylenes	87.6		"	100		87.6	82-128		2.16	30	
p-Isopropyltoluene	45.8		"	50.0		91.6	85-125		1.19	30	
sec-Butylbenzene	42.5		"	50.0		84.9	83-125		0.118	30	
Styrene	53.1		"	50.0		106	86-126		3.39	30	
tert-Butylbenzene	47.4		"	50.0		94.8	80-127		1.75	30	
Tetrachloroethylene	52.4		"	50.0		105	80-129		4.93	30	
Toluene	48.3		"	50.0		96.6	85-121		3.84	30	
trans-1,2-Dichloroethylene	51.8		"	50.0		104	72-132		0.424	30	
trans-1,3-Dichloropropylene	45.4		"	50.0		90.7	78-132		4.49	30	
Trichloroethylene	48.5		"	50.0		96.9	84-123		6.08	30	
Trichlorofluoromethane	49.8		"	50.0		99.6	62-140		1.21	30	
Vinyl acetate	51.3		"	50.0		103	67-136		1.10	30	
Vinyl Chloride	56.2		"	50.0		112	52-130		0.726	30	
Surrogate: 1,2-Dichloroethane-d4	*47.0*		*"*	*50.0*		*94.0*	*77-125*				
Surrogate: Toluene-d8	*46.4*		*"*	*50.0*		*92.7*	*85-120*				
Surrogate: p-Bromofluorobenzene	*52.9*		*"*	*50.0*		*106*	*76-130*				
Batch BE60292 - EPA 5035A											
Blank (BE60292-BLK1)								Prepared & Analyzed: 05/06/2016			
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	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	5.4	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	2.8	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	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	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 BE60292 - EPA 5035A											
Blank (BE60292-BLK1)											Prepared & Analyzed: 05/06/2016
Bromoform	ND	5.0	ug/kg wet								
Bromomethane	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	"								
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 tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	7.0	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-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 acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*49.0*		*ug/L*	*50.0*		*97.9*	*77-125*				
Surrogate: Toluene-d8	*47.3*		*"*	*50.0*		*94.6*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*96.9*	*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 BE60292 - EPA 5035A											
Blank (BE60292-BLK2)											
Prepared & Analyzed: 05/06/2016											
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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	21	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	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	"								
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 tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	6.5	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	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 BE60292 - EPA 5035A											
Blank (BE60292-BLK2)								Prepared & Analyzed: 05/06/2016			
o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	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 acetate	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*46.5*		*ug/L*	*50.0*		*92.9*	*77-125*				
Surrogate: Toluene-d8	*45.6*		*"*	*50.0*		*91.1*	*85-120*				
Surrogate: p-Bromofluorobenzene	*47.7*		*"*	*50.0*		*95.3*	*76-130*				
LCS (BE60292-BS1)								Prepared & Analyzed: 05/06/2016			
1,1,1,2-Tetrachloroethane	53.0		ug/L	50.0		106	75-129				
1,1,1-Trichloroethane	62.3		"	50.0		125	71-137				
1,1,2,2-Tetrachloroethane	48.8		"	50.0		97.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.4		"	50.0		117	58-146				
1,1,2-Trichloroethane	49.5		"	50.0		99.0	83-123				
1,1-Dichloroethane	61.0		"	50.0		122	75-130				
1,1-Dichloroethylene	59.4		"	50.0		119	64-137				
1,1-Dichloropropylene	59.0		"	50.0		118	77-127				
1,2,3-Trichlorobenzene	56.3		"	50.0		113	81-140				
1,2,3-Trichloropropane	46.6		"	50.0		93.2	81-126				
1,2,4-Trichlorobenzene	59.2		"	50.0		118	80-141				
1,2,4-Trimethylbenzene	49.4		"	50.0		98.9	84-125				
1,2-Dibromo-3-chloropropane	37.7		"	50.0		75.4	74-142				
1,2-Dibromoethane	52.3		"	50.0		105	86-123				
1,2-Dichlorobenzene	53.0		"	50.0		106	85-122				
1,2-Dichloroethane	54.4		"	50.0		109	71-133				
1,2-Dichloropropane	49.8		"	50.0		99.6	81-122				
1,3,5-Trimethylbenzene	49.8		"	50.0		99.6	82-126				
1,3-Dichlorobenzene	54.4		"	50.0		109	84-124				
1,3-Dichloropropane	49.1		"	50.0		98.2	83-123				
1,4-Dichlorobenzene	52.9		"	50.0		106	84-124				
1,4-Dioxane	910		"	1000		91.0	10-228				
2,2-Dichloropropane	60.2		"	50.0		120	67-136				
2-Butanone	56.4		"	50.0		113	58-147				
2-Chlorotoluene	46.8		"	50.0		93.7	78-127				
4-Chlorotoluene	45.3		"	50.0		90.7	79-125				
Acetone	50.2		"	50.0		100	36-155				
Benzene	65.0		"	50.0		130	77-127	High Bias			
Bromobenzene	50.1		"	50.0		100	77-129				
Bromochloromethane	59.4		"	50.0		119	74-129				
Bromodichloromethane	50.0		"	50.0		100	81-124				
Bromoform	52.8		"	50.0		106	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60292 - EPA 5035A											
LCS (BE60292-BS1)							Prepared & Analyzed: 05/06/2016				
Bromomethane	61.7		ug/L	50.0		123	32-177				
Carbon tetrachloride	58.0		"	50.0		116	66-143				
Chlorobenzene	52.7		"	50.0		105	86-120				
Chloroethane	62.5		"	50.0		125	51-142				
Chloroform	59.0		"	50.0		118	76-131				
Chloromethane	63.4		"	50.0		127	49-132				
cis-1,2-Dichloroethylene	65.0		"	50.0		130	74-132				
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129				
Dibromochloromethane	50.7		"	50.0		101	10-200				
Dibromomethane	50.7		"	50.0		101	83-124				
Dichlorodifluoromethane	63.9		"	50.0		128	28-158				
Ethyl Benzene	49.9		"	50.0		99.7	84-125				
Hexachlorobutadiene	54.5		"	50.0		109	83-133				
Isopropylbenzene	49.4		"	50.0		98.8	81-127				
Methyl tert-butyl ether (MTBE)	56.2		"	50.0		112	74-131				
Methylene chloride	54.1		"	50.0		108	57-141				
Naphthalene	52.1		"	50.0		104	86-141				
n-Butylbenzene	47.2		"	50.0		94.3	80-130				
n-Propylbenzene	47.9		"	50.0		95.8	74-136				
o-Xylene	47.5		"	50.0		94.9	83-123				
p- & m- Xylenes	95.4		"	100		95.4	82-128				
p-Isopropyltoluene	51.8		"	50.0		104	85-125				
sec-Butylbenzene	47.6		"	50.0		95.2	83-125				
Styrene	56.5		"	50.0		113	86-126				
tert-Butylbenzene	53.0		"	50.0		106	80-127				
Tetrachloroethylene	55.7		"	50.0		111	80-129				
Toluene	52.8		"	50.0		106	85-121				
trans-1,2-Dichloroethylene	58.5		"	50.0		117	72-132				
trans-1,3-Dichloropropylene	49.4		"	50.0		98.7	78-132				
Trichloroethylene	52.2		"	50.0		104	84-123				
Trichlorofluoromethane	56.0		"	50.0		112	62-140				
Vinyl acetate	54.0		"	50.0		108	67-136				
Vinyl Chloride	62.0		"	50.0		124	52-130				
Surrogate: 1,2-Dichloroethane-d4	*45.6*		*"*	*50.0*		*91.1*	*77-125*				
Surrogate: Toluene-d8	*46.0*		*"*	*50.0*		*92.0*	*85-120*				
Surrogate: p-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*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 BE60292 - EPA 5035A											
LCS Dup (BE60292-BSD1)								Prepared & Analyzed: 05/06/2016			
1,1,1,2-Tetrachloroethane	50.1		ug/L	50.0		100	75-129		5.64	30	
1,1,1-Trichloroethane	58.2		"	50.0		116	71-137		6.82	30	
1,1,2,2-Tetrachloroethane	45.9		"	50.0		91.8	79-129		6.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.1		"	50.0		112	58-146		3.93	30	
1,1,2-Trichloroethane	48.4		"	50.0		96.8	83-123		2.21	30	
1,1-Dichloroethane	59.0		"	50.0		118	75-130		3.33	30	
1,1-Dichloroethylene	55.9		"	50.0		112	64-137		6.00	30	
1,1-Dichloropropylene	57.7		"	50.0		115	77-127		2.19	30	
1,2,3-Trichlorobenzene	53.6		"	50.0		107	81-140		4.93	30	
1,2,3-Trichloropropane	43.5		"	50.0		87.0	81-126		6.86	30	
1,2,4-Trichlorobenzene	55.2		"	50.0		110	80-141		6.98	30	
1,2,4-Trimethylbenzene	46.8		"	50.0		93.6	84-125		5.49	30	
1,2-Dibromo-3-chloropropane	35.5		"	50.0		71.1	74-142	Low Bias	5.95	30	
1,2-Dibromoethane	51.7		"	50.0		103	86-123		1.17	30	
1,2-Dichlorobenzene	49.9		"	50.0		99.7	85-122		6.18	30	
1,2-Dichloroethane	50.9		"	50.0		102	71-133		6.65	30	
1,2-Dichloropropane	48.4		"	50.0		96.9	81-122		2.73	30	
1,3,5-Trimethylbenzene	47.4		"	50.0		94.7	82-126		5.00	30	
1,3-Dichlorobenzene	51.6		"	50.0		103	84-124		5.32	30	
1,3-Dichloropropane	47.8		"	50.0		95.5	83-123		2.79	30	
1,4-Dichlorobenzene	49.7		"	50.0		99.4	84-124		6.24	30	
1,4-Dioxane	837		"	1000		83.7	10-228		8.33	30	
2,2-Dichloropropane	56.6		"	50.0		113	67-136		6.32	30	
2-Butanone	52.4		"	50.0		105	58-147		7.37	30	
2-Chlorotoluene	43.5		"	50.0		87.0	78-127		7.37	30	
4-Chlorotoluene	43.0		"	50.0		85.9	79-125		5.35	30	
Acetone	45.4		"	50.0		90.8	36-155		10.2	30	
Benzene	61.2		"	50.0		122	77-127		5.99	30	
Bromobenzene	48.5		"	50.0		97.0	77-129		3.21	30	
Bromochloromethane	55.1		"	50.0		110	74-129		7.48	30	
Bromodichloromethane	47.3		"	50.0		94.6	81-124		5.51	30	
Bromoform	49.5		"	50.0		99.1	80-136		6.47	30	
Bromomethane	56.7		"	50.0		113	32-177		8.38	30	
Carbon tetrachloride	55.8		"	50.0		112	66-143		3.78	30	
Chlorobenzene	50.2		"	50.0		100	86-120		4.78	30	
Chloroethane	59.2		"	50.0		118	51-142		5.31	30	
Chloroform	57.6		"	50.0		115	76-131		2.47	30	
Chloromethane	59.0		"	50.0		118	49-132		7.23	30	
cis-1,2-Dichloroethylene	62.1		"	50.0		124	74-132		4.59	30	
cis-1,3-Dichloropropylene	49.4		"	50.0		98.7	81-129		3.97	30	
Dibromochloromethane	49.1		"	50.0		98.2	10-200		3.31	30	
Dibromomethane	51.4		"	50.0		103	83-124		1.37	30	
Dichlorodifluoromethane	68.4		"	50.0		137	28-158		6.78	30	
Ethyl Benzene	48.0		"	50.0		95.9	84-125		3.86	30	
Hexachlorobutadiene	51.2		"	50.0		102	83-133		6.22	30	
Isopropylbenzene	46.6		"	50.0		93.3	81-127		5.71	30	
Methyl tert-butyl ether (MTBE)	54.4		"	50.0		109	74-131		3.15	30	
Methylene chloride	56.6		"	50.0		113	57-141		4.44	30	
Naphthalene	49.3		"	50.0		98.7	86-141		5.38	30	
n-Butylbenzene	45.0		"	50.0		90.1	80-130		4.58	30	
n-Propylbenzene	45.0		"	50.0		90.0	74-136		6.27	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 BE60292 - EPA 5035A											
LCS Dup (BE60292-BSD1)								Prepared & Analyzed: 05/06/2016			
o-Xylene	46.0		ug/L	50.0		92.0	83-123		3.10	30	
p- & m- Xylenes	91.0		"	100		91.0	82-128		4.78	30	
p-Isopropyltoluene	48.3		"	50.0		96.7	85-125		7.01	30	
sec-Butylbenzene	44.4		"	50.0		88.9	83-125		6.89	30	
Styrene	54.3		"	50.0		109	86-126		3.92	30	
tert-Butylbenzene	49.6		"	50.0		99.1	80-127		6.67	30	
Tetrachloroethylene	53.7		"	50.0		107	80-129		3.53	30	
Toluene	51.2		"	50.0		102	85-121		3.12	30	
trans-1,2-Dichloroethylene	56.2		"	50.0		112	72-132		3.89	30	
trans-1,3-Dichloropropylene	45.8		"	50.0		91.7	78-132		7.35	30	
Trichloroethylene	50.7		"	50.0		101	84-123		2.97	30	
Trichlorofluoromethane	51.4		"	50.0		103	62-140		8.50	30	
Vinyl acetate	51.7		"	50.0		103	67-136		4.29	30	
Vinyl Chloride	60.1		"	50.0		120	52-130		3.11	30	
Surrogate: 1,2-Dichloroethane-d4	*46.5*		*"*	*50.0*		*93.0*	*77-125*				
Surrogate: Toluene-d8	*47.0*		*"*	*50.0*		*94.0*	*85-120*				
Surrogate: p-Bromofluorobenzene	*53.6*		*"*	*50.0*		*107*	*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 BE60211 - EPA 3550C											
Blank (BE60211-BLK1)											Prepared & Analyzed: 05/05/2016
1,2,4-Trichlorobenzene	ND	41.7	ug/kg wet								
1,2-Dichlorobenzene	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
3,3'-Dichlorobenzidine	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
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	"								
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	"								
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	"								
Phenanthrene	ND	41.7	"								
Pyrene	ND	41.7	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60211 - EPA 3550C											
Blank (BE60211-BLK1)								Prepared & Analyzed: 05/05/2016			
Pyridine	ND	167	ug/kg wet								
Surrogate: Nitrobenzene-d5	*1920*		*"*	*1680*		*115*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*1790*		*"*	*1670*		*108*	*21-113*				
Surrogate: Terphenyl-d14	*1460*		*"*	*1680*		*86.8*	*24-116*				
LCS (BE60211-BS1)								Prepared & Analyzed: 05/05/2016			
1,2,4-Trichlorobenzene	709	41.7	ug/kg wet	1670		42.5	23-130				
1,2-Dichlorobenzene	623	41.7	"	1670		37.4	26-113				
1,3-Dichlorobenzene	638	41.7	"	1670		38.3	32-113				
1,4-Dichlorobenzene	589	41.7	"	1670		35.3	28-111				
2,4-Dinitrotoluene	732	41.7	"	1670		43.9	30-123				
2,6-Dinitrotoluene	778	41.7	"	1670		46.7	30-125				
2-Chloronaphthalene	694	41.7	"	1670		41.7	22-115				
2-Methylnaphthalene	615	41.7	"	1670		36.9	16-127				
3,3'-Dichlorobenzidine	1130	41.7	"	1670		67.6	10-147				
3-Nitroaniline	808	83.3	"	1670		48.5	23-123				
4-Bromophenyl phenyl ether	696	41.7	"	1670		41.7	30-138				
4-Chloroaniline	566	41.7	"	1670		33.9	10-117				
4-Chlorophenyl phenyl ether	745	41.7	"	1670		44.7	18-132				
4-Nitroaniline	1090	83.3	"	1670		65.3	14-125				
Acenaphthene	597	41.7	"	1670		35.8	17-124				
Acenaphthylene	616	41.7	"	1670		37.0	16-124				
Aniline	539	167	"	1670		32.3	10-111				
Anthracene	581	41.7	"	1670		34.9	24-124				
Benzo(a)anthracene	716	41.7	"	1670		43.0	25-134				
Benzo(a)pyrene	735	41.7	"	1670		44.1	29-144				
Benzo(b)fluoranthene	667	41.7	"	1670		40.0	20-151				
Benzo(g,h,i)perylene	478	41.7	"	1670		28.7	10-153				
Benzo(k)fluoranthene	835	41.7	"	1670		50.1	10-148				
Benzyl butyl phthalate	546	41.7	"	1670		32.8	10-132				
Bis(2-chloroethoxy)methane	685	41.7	"	1670		41.1	10-129				
Bis(2-chloroethyl)ether	561	41.7	"	1670		33.7	14-125				
Bis(2-chloroisopropyl)ether	766	41.7	"	1670		46.0	14-122				
Bis(2-ethylhexyl)phthalate	562	41.7	"	1670		33.7	10-141				
Carbazole	3850	41.7	"	1670		231	31-120	High Bias			
Chrysene	601	41.7	"	1670		36.1	24-116				
Dibenzo(a,h)anthracene	499	41.7	"	1670		30.0	17-147				
Dibenzofuran	616	41.7	"	1670		37.0	23-123				
Diethyl phthalate	712	41.7	"	1670		42.7	23-122				
Dimethyl phthalate	680	41.7	"	1670		40.8	28-127				
Di-n-butyl phthalate	508	41.7	"	1670		30.5	19-123				
Di-n-octyl phthalate	514	41.7	"	1670		30.8	10-132				
Fluoranthene	642	41.7	"	1670		38.5	36-125				
Fluorene	682	41.7	"	1670		40.9	16-130				
Hexachlorobenzene	659	41.7	"	1670		39.6	10-129				
Hexachlorobutadiene	782	41.7	"	1670		46.9	22-153				
Hexachlorocyclopentadiene	45.0	41.7	"	1670		2.70	10-134	Low Bias			
Hexachloroethane	681	41.7	"	1670		40.9	20-112				
Indeno(1,2,3-cd)pyrene	519	41.7	"	1670		31.1	10-155				
Isophorone	669	41.7	"	1670		40.1	14-131				
Naphthalene	584	41.7	"	1670		35.0	20-121				
Nitrobenzene	683	41.7	"	1670		41.0	20-121				



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 BE60211 - EPA 3550C											
LCS (BE60211-BS1)								Prepared & Analyzed: 05/05/2016			
N-Nitrosodimethylamine	524	41.7	ug/kg wet	1670		31.4	10-124				
N-nitroso-di-n-propylamine	686	41.7	"	1670		41.1	21-119				
N-Nitrosodiphenylamine	833	41.7	"	1670		50.0	10-163				
Phenanthrene	624	41.7	"	1670		37.4	24-123				
Pyrene	638	41.7	"	1670		38.3	24-132				
Pyridine	388	167	"	1670		23.3	10-92				
Surrogate: Nitrobenzene-d5	*1540*		*"*	*1680*		*91.7*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*1570*		*"*	*1670*		*94.3*	*21-113*				
Surrogate: Terphenyl-d14	*1320*		*"*	*1680*		*78.4*	*24-116*				
LCS Dup (BE60211-BSD1)								Prepared & Analyzed: 05/05/2016			
1,2,4-Trichlorobenzene	731	41.7	ug/kg wet	1670		43.9	23-130		3.15	30	
1,2-Dichlorobenzene	626	41.7	"	1670		37.6	26-113		0.427	30	
1,3-Dichlorobenzene	657	41.7	"	1670		39.4	32-113		2.88	30	
1,4-Dichlorobenzene	587	41.7	"	1670		35.2	28-111		0.397	30	
2,4-Dinitrotoluene	638	41.7	"	1670		38.3	30-123		13.7	30	
2,6-Dinitrotoluene	681	41.7	"	1670		40.9	30-125		13.3	30	
2-Chloronaphthalene	608	41.7	"	1670		36.5	22-115		13.3	30	
2-Methylnaphthalene	638	41.7	"	1670		38.3	16-127		3.62	30	
3,3'-Dichlorobenzidine	1300	41.7	"	1670		78.2	10-147		14.6	30	
3-Nitroaniline	595	83.3	"	1670		35.7	23-123		30.5	30	Non-dir.
4-Bromophenyl phenyl ether	805	41.7	"	1670		48.3	30-138		14.5	30	
4-Chloroaniline	578	41.7	"	1670		34.7	10-117		2.16	30	
4-Chlorophenyl phenyl ether	746	41.7	"	1670		44.8	18-132		0.0894	30	
4-Nitroaniline	1290	83.3	"	1670		77.7	14-125		17.3	30	
Acenaphthene	587	41.7	"	1670		35.2	17-124		1.69	30	
Acenaphthylene	565	41.7	"	1670		33.9	16-124		8.69	30	
Aniline	625	167	"	1670		37.5	10-111		14.8	30	
Anthracene	634	41.7	"	1670		38.0	24-124		8.72	30	
Benzo(a)anthracene	868	41.7	"	1670		52.1	25-134		19.1	30	
Benzo(a)pyrene	723	41.7	"	1670		43.4	29-144		1.69	30	
Benzo(b)fluoranthene	581	41.7	"	1670		34.9	20-151		13.7	30	
Benzo(g,h,i)perylene	473	41.7	"	1670		28.4	10-153		0.911	30	
Benzo(k)fluoranthene	830	41.7	"	1670		49.8	10-148		0.601	30	
Benzyl butyl phthalate	601	41.7	"	1670		36.1	10-132		9.58	30	
Bis(2-chloroethoxy)methane	679	41.7	"	1670		40.7	10-129		0.831	30	
Bis(2-chloroethyl)ether	568	41.7	"	1670		34.1	14-125		1.18	30	
Bis(2-chloroisopropyl)ether	857	41.7	"	1670		51.4	14-122		11.2	30	
Bis(2-ethylhexyl)phthalate	650	41.7	"	1670		39.0	10-141		14.5	30	
Carbazole	4130	41.7	"	1670		248	31-120	High Bias	7.01	30	
Chrysene	609	41.7	"	1670		36.5	24-116		1.21	30	
Dibenzo(a,h)anthracene	527	41.7	"	1670		31.6	17-147		5.33	30	
Dibenzofuran	591	41.7	"	1670		35.5	23-123		4.09	30	
Diethyl phthalate	646	41.7	"	1670		38.7	23-122		9.82	30	
Dimethyl phthalate	671	41.7	"	1670		40.2	28-127		1.43	30	
Di-n-butyl phthalate	573	41.7	"	1670		34.4	19-123		12.0	30	
Di-n-octyl phthalate	513	41.7	"	1670		30.8	10-132		0.130	30	
Fluoranthene	719	41.7	"	1670		43.2	36-125		11.4	30	
Fluorene	710	41.7	"	1670		42.6	16-130		4.02	30	
Hexachlorobenzene	740	41.7	"	1670		44.4	10-129		11.5	30	
Hexachlorobutadiene	866	41.7	"	1670		52.0	22-153		10.2	30	
Hexachlorocyclopentadiene	62.3	41.7	"	1670		3.74	10-134	Low Bias	32.3	30	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60211 - EPA 3550C											
LCS Dup (BE60211-BSD1)								Prepared & Analyzed: 05/05/2016			
Hexachloroethane	721	41.7	ug/kg wet	1670		43.2	20-112		5.61	30	
Indeno(1,2,3-cd)pyrene	534	41.7	"	1670		32.1	10-155		2.98	30	
Isophorone	706	41.7	"	1670		42.4	14-131		5.38	30	
Naphthalene	584	41.7	"	1670		35.1	20-121		0.114	30	
Nitrobenzene	723	41.7	"	1670		43.4	20-121		5.74	30	
N-Nitrosodimethylamine	599	41.7	"	1670		35.9	10-124		13.4	30	
N-nitroso-di-n-propylamine	798	41.7	"	1670		47.9	21-119		15.1	30	
N-Nitrosodiphenylamine	991	41.7	"	1670		59.5	10-163		17.4	30	
Phenanthrene	658	41.7	"	1670		39.5	24-123		5.31	30	
Pyrene	721	41.7	"	1670		43.3	24-132		12.3	30	
Pyridine	519	167	"	1670		31.1	10-92		28.9	30	
Surrogate: Nitrobenzene-d5	*1880*		*"*	*1680*		*112*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*1720*		*"*	*1670*		*104*	*21-113*				
Surrogate: Terphenyl-d14	*1760*		*"*	*1680*		*105*	*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 BE60240 - EPA 3545A											
Blank (BE60240-BLK1)									Prepared: 05/05/2016 Analyzed: 05/09/2016		
4,4'-DDD	ND	0.495	ug/kg wet								
4,4'-DDE	ND	0.495	"								
4,4'-DDT	ND	0.495	"								
Aldrin	ND	0.495	"								
alpha-BHC	ND	0.495	"								
alpha-Chlordane	ND	0.495	"								
beta-BHC	ND	0.495	"								
Chlordane, total	ND	19.8	"								
delta-BHC	ND	0.495	"								
Dieldrin	ND	0.495	"								
Endosulfan I	ND	0.495	"								
Endosulfan II	ND	0.495	"								
Endosulfan sulfate	ND	0.495	"								
Endrin	ND	0.495	"								
Endrin aldehyde	ND	0.495	"								
Endrin ketone	ND	0.495	"								
gamma-BHC (Lindane)	ND	0.495	"								
gamma-Chlordane	ND	0.495	"								
Heptachlor	ND	0.495	"								
Heptachlor epoxide	ND	0.495	"								
Methoxychlor	ND	2.48	"								
Toxaphene	ND	25.0	"								
Surrogate: Tetrachloro-m-xylene	*70.7*		*"*	*100*		*70.7*	*30-140*				
Surrogate: Decachlorobiphenyl	*78.3*		*"*	*100*		*78.3*	*30-140*				
LCS (BE60240-BS1)									Prepared: 05/05/2016 Analyzed: 05/09/2016		
4,4'-DDD	42.4	0.495	ug/kg wet	50.0		84.8	40-140				
4,4'-DDE	44.5	0.495	"	50.0		89.0	40-140				
4,4'-DDT	38.4	0.495	"	50.0		76.8	40-140				
Aldrin	34.8	0.495	"	50.0		69.6	40-140				
alpha-BHC	38.7	0.495	"	50.0		77.3	40-140				
alpha-Chlordane	37.6	0.495	"	50.0		75.3	40-140				
beta-BHC	34.8	0.495	"	50.0		69.5	40-140				
delta-BHC	36.8	0.495	"	50.0		73.6	40-140				
Dieldrin	37.8	0.495	"	50.0		75.7	40-140				
Endosulfan I	36.5	0.495	"	50.0		72.9	40-140				
Endosulfan II	37.0	0.495	"	50.0		74.0	40-140				
Endosulfan sulfate	28.8	0.495	"	50.0		57.6	40-140				
Endrin	38.4	0.495	"	50.0		76.8	40-140				
Endrin aldehyde	34.2	0.495	"	50.0		68.3	40-140				
Endrin ketone	39.8	0.495	"	50.0		79.6	40-140				
gamma-BHC (Lindane)	37.6	0.495	"	50.0		75.3	40-140				
gamma-Chlordane	35.0	0.495	"	50.0		70.1	40-140				
Heptachlor	30.4	0.495	"	50.0		60.7	40-140				
Heptachlor epoxide	36.1	0.495	"	50.0		72.2	40-140				
Methoxychlor	38.3	2.48	"	50.0		76.7	40-140				
Surrogate: Tetrachloro-m-xylene	*63.1*		*"*	*100*		*63.1*	*30-140*				
Surrogate: Decachlorobiphenyl	*63.1*		*"*	*100*		*63.1*	*30-140*				

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 BE60240 - EPA 3545A											
LCS Dup (BE60240-BSD1)									Prepared: 05/05/2016 Analyzed: 05/09/2016		
4,4'-DDD	39.6	0.495	ug/kg wet	50.0		79.2	40-140		6.81	30	
4,4'-DDE	42.2	0.495	"	50.0		84.4	40-140		5.24	30	
4,4'-DDT	33.2	0.495	"	50.0		66.5	40-140		14.4	30	
Aldrin	35.7	0.495	"	50.0		71.4	40-140		2.61	30	
alpha-BHC	36.9	0.495	"	50.0		73.9	40-140		4.54	30	
alpha-Chlordane	35.4	0.495	"	50.0		70.9	40-140		6.02	30	
beta-BHC	33.5	0.495	"	50.0		67.0	40-140		3.63	30	
delta-BHC	36.7	0.495	"	50.0		73.4	40-140		0.252	30	
Dieldrin	35.4	0.495	"	50.0		70.7	40-140		6.80	30	
Endosulfan I	33.9	0.495	"	50.0		67.7	40-140		7.41	30	
Endosulfan II	35.0	0.495	"	50.0		70.0	40-140		5.46	30	
Endosulfan sulfate	26.9	0.495	"	50.0		53.9	40-140		6.70	30	
Endrin	36.1	0.495	"	50.0		72.1	40-140		6.28	30	
Endrin aldehyde	32.3	0.495	"	50.0		64.6	40-140		5.52	30	
Endrin ketone	38.5	0.495	"	50.0		77.0	40-140		3.35	30	
gamma-BHC (Lindane)	36.0	0.495	"	50.0		72.0	40-140		4.42	30	
gamma-Chlordane	33.7	0.495	"	50.0		67.3	40-140		4.00	30	
Heptachlor	30.3	0.495	"	50.0		60.7	40-140		0.0593	30	
Heptachlor epoxide	33.8	0.495	"	50.0		67.6	40-140		6.52	30	
Methoxychlor	36.7	2.48	"	50.0		73.5	40-140		4.21	30	
Surrogate: Tetrachloro-m-xylene	*62.6*		*"*	*100*		*62.6*	*30-140*				
Surrogate: Decachlorobiphenyl	*61.0*		*"*	*100*		*61.0*	*30-140*				

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 BE60240 - EPA 3545A											
Blank (BE60240-BLK2)											Prepared: 05/05/2016 Analyzed: 05/06/2016
Aroclor 1016	ND	0.0250	mg/kg wet								
Aroclor 1221	ND	0.0250	"								
Aroclor 1232	ND	0.0250	"								
Aroclor 1242	ND	0.0250	"								
Aroclor 1248	ND	0.0250	"								
Aroclor 1254	ND	0.0250	"								
Aroclor 1260	ND	0.0250	"								
Total PCBs	ND	0.0250	"								
Surrogate: Tetrachloro-m-xylene	*0.0680*		*"*	*0.100*		*68.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0665*		*"*	*0.100*		*66.5*	*30-140*				
LCS (BE60240-BS2)											Prepared: 05/05/2016 Analyzed: 05/06/2016
Aroclor 1016	0.410	0.0250	mg/kg wet	0.500		82.0	40-130				
Aroclor 1260	0.358	0.0250	"	0.500		71.6	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0660*		*"*	*0.100*		*66.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0645*		*"*	*0.100*		*64.5*	*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 BE60314 - EPA 3050B											
Blank (BE60314-BLK1)									Prepared & Analyzed: 05/06/2016		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								
Duplicate (BE60314-DUP1)	*Source sample: 16E0060-01 (SP-1 (0-2))								Prepared: 05/06/2016 Analyzed: 05/07/2016		
Aluminum	3570	5.43	mg/kg dry		3300				8.02	35	
Antimony	ND	0.543	"		ND					35	
Arsenic	7.88	1.09	"		7.40				6.26	35	
Barium	188	1.09	"		175				7.04	35	
Beryllium	ND	0.109	"		ND					35	
Cadmium	0.938	0.326	"		0.902				3.91	35	
Calcium	12500	5.43	"		11700				6.97	35	
Chromium	11.0	0.543	"		10.2				7.10	35	
Cobalt	5.03	0.543	"		4.73				6.10	35	
Copper	45.5	0.543	"		42.3				7.23	35	
Iron	10500	2.17	"		9690				8.09	35	
Lead	314	0.326	"		292				7.02	35	
Magnesium	1680	5.43	"		1550				7.83	35	
Manganese	210	0.543	"		196				7.00	35	
Nickel	14.6	0.543	"		13.8				5.38	35	
Potassium	1110	5.43	"		1020				8.28	35	
Selenium	1.69	1.09	"		1.37				20.7	35	
Silver	ND	0.543	"		ND					35	
Sodium	168	10.9	"		170				1.49	35	
Thallium	ND	1.09	"		ND					35	
Vanadium	14.0	1.09	"		13.1				6.50	35	
Zinc	273	1.09	"		254				7.12	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 BE60314 - EPA 3050B											
Matrix Spike (BE60314-MS1)	*Source sample: 16E0060-01 (SP-1 (0-2))								Prepared: 05/06/2016 Analyzed: 05/07/2016		
Aluminum	3780	5.43	mg/kg dry	217	3300	224	75-125	High Bias			
Antimony	26.5	0.543	"	27.1	ND	97.4	75-125				
Arsenic	223	1.09	"	217	7.40	99.3	75-125				
Barium	406	1.09	"	217	175	106	75-125				
Beryllium	5.53	0.109	"	5.43	ND	102	75-125				
Cadmium	6.37	0.326	"	5.43	0.902	101	75-125				
Chromium	32.2	0.543	"	21.7	10.2	101	75-125				
Cobalt	60.6	0.543	"	54.3	4.73	103	75-125				
Copper	73.5	0.543	"	27.1	42.3	115	75-125				
Iron	10600	2.17	"	109	9690	855	75-125	High Bias			
Lead	378	0.326	"	54.3	292	157	75-125	High Bias			
Magnesium	1680	5.43	"		1550		75-125				
Manganese	266	0.543	"	54.3	196	130	75-125	High Bias			
Nickel	70.7	0.543	"	54.3	13.8	105	75-125				
Potassium	1100	5.43	"		1020		75-125				
Selenium	218	1.09	"	217	1.37	99.8	75-125				
Silver	3.39	0.543	"	5.43	ND	62.5	75-125	Low Bias			
Sodium	161	10.9	"		170		75-125				
Thallium	206	1.09	"	217	ND	94.8	75-125				
Vanadium	66.6	1.09	"	54.3	13.1	98.6	75-125				
Zinc	325	1.09	"	54.3	254	131	75-125	High Bias			
Reference (BE60314-SRM1)									Prepared & Analyzed: 05/06/2016		
Aluminum	7120	5.00	mg/kg wet	8060		88.4	38.9-160				
Antimony	93.8	0.500	"	94.0		99.8	22.8-257.5				
Arsenic	107	1.00	"	113		94.5	69.7-142.5				
Barium	148	1.00	"	155		95.3	72.9-127.1				
Beryllium	106	0.100	"	109		97.0	74.7-124.8				
Cadmium	65.4	0.300	"	67.5		96.9	73.2-126.8				
Calcium	5420	5.00	"	5850		92.6	73.7-126.5				
Chromium	160	0.500	"	164		97.7	70.7-129.9				
Cobalt	103	0.500	"	100		103	74.4-126				
Copper	129	0.500	"	128		101	75.2-125.8				
Iron	14400	2.00	"	15200		94.9	37.4-162.5				
Lead	82.2	0.300	"	90.1		91.3	70.1-129.9				
Magnesium	2600	5.00	"	2790		93.3	65.2-135.1				
Manganese	355	0.500	"	363		97.7	75.8-124.5				
Nickel	101	0.500	"	89.3		113	72-127.7				
Potassium	2510	5.00	"	2770		90.5	61.7-138.3				
Selenium	149	1.00	"	156		95.7	67.3-132.1				
Silver	47.6	0.500	"	52.6		90.4	66.7-133.5				
Sodium	653	10.0	"	686		95.1	55.8-144.2				
Thallium	90.7	1.00	"	116		78.2	67.4-131.9				
Vanadium	68.6	1.00	"	73.0		94.0	59.7-139.7				
Zinc	155	1.00	"	168		92.2	69-131.5				

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 BE60138 - EPA 7473 soil											
Blank (BE60138-BLK1)									Prepared & Analyzed: 05/04/2016		
Mercury	ND	0.0300	mg/kg wet								
Reference (BE60138-SRM1)									Prepared & Analyzed: 05/04/2016		
Mercury	6.7370		mg/kg	5.76		117	71.2-129				

Wet Chemistry 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 BE60148 - EPA SW846-3060											
Blank (BE60148-BLK1)									Prepared: 05/04/2016 Analyzed: 05/09/2016		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BE60148-SRM1)									Prepared: 05/04/2016 Analyzed: 05/09/2016		
Chromium, Hexavalent	102		mg/L	108		94.1	29.8-206				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16E0060-01	SP-1 (0-2)	40mL Vial with Stir Bar-Cool 4° C
16E0060-02	SP-1 (4-6)	40mL Vial with Stir Bar-Cool 4° C
16E0060-03	SP-2 (0-2)	40mL Vial with Stir Bar-Cool 4° C
16E0060-04	SP-2 (4-6)	40mL Vial with Stir Bar-Cool 4° C
16E0060-05	SP-3 (0-2)	40mL Vial with Stir Bar-Cool 4° C
16E0060-06	SP-3 (10-12)	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

VOA-CONT	NON-COMPLIANT- the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-LSRD	Original sample conc <50 X reporting limit.
M-HCSpk	Sample conc. >10 X spike conc.
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-06	Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.
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.

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

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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. 16E0060

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Hydro Tech Env Corp	SAME [X]	SAME [ ]	#160094	RUSH-Same Day	Summary Report X
Address: 77 Arkay Drive Suite G	Name:	Name: Muslima Ward	542-544 West 29n Street	RUSH-Next Day	QA Report X
Hauppauge, NY 11788	Company:	Company: Hydro Tech Env	New York, NY	RUSH-Two Day	CT RCP
Phone.: (631) 4625866	Address:	Address: 77 Arkay Drive Suite G	Purchase Order #	RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Erica Johnston		Hauppauge, NY 11788	8281	RUSH-Four Day	NY ASP A Package
E-mail: ejohnston@hydrotechenvironmental	E-mail:	E-mail mward@hydrotechenvir	Samples from CT__NY_X_NJ__	Standard (5-7day) X	NY ASP B Package
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS X
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to: NYSDEC Part 375 Unrestricted SCO - Residential SCO
					OTHER:

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.

AZ.
Samples Collected/Authorized By (Signature)

Adriana Zapata

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
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
SP-1 (0-2)	4-30-16 / 9:00 am	S	EPA 8260, 8270BN, 8081/8082, TAL metals, Chromium hexavalent & trivalent	1 TerraCore set, 1 8oz clear jar
SP-1 (4-6)	9:00			
SP-2 (0-2)	10:00			
SP-2 (4-6)	10:00			
SP-3 (0-2)	11:00			
SP-3 (10-12)	11:00			

Comments:

E designation

Special Instructions

Preservation (check all appliciable)

4°C X Frozen HCl MeOH HNO_3 H_2SO_4 NaOH

Hydrocloric Acid ZnAc Ascorbic Acid Other

5/3/16 1PM

KBanks 5-3-16 — Samples Relinquished By — Date/Time

KBanks 5/3/16 1PM

TC Tech 5/3/16 1742 — Samples Received By — Date/Time

Temp on R

4.1°C

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Report Date: 05/13/2016
Client Project ID: 160094-542 West 29th St. New York, NY
York Project (SDG) No.: 16E0322

Report Date: 05/13/2016
Client Project ID: 160094-542 West 29th St. New York, NY
York Project (SDG) No.: 16E0322

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 09, 2016 and listed below. The project was identified as your project: **160094-542 West 29th St. New York, NY**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16E0322-01	SV-1	Soil Vapor	05/07/2016	05/09/2016
16E0322-02	SV-2	Soil Vapor	05/07/2016	05/09/2016
16E0322-03	AI-1	Indoor Ambient Air	05/07/2016	05/09/2016

General Notes for York Project (SDG) No.: 16E0322

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

Approved By: 

Date: 05/13/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 16E0322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Soil Vapor	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.80	0.80	1.168	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 22:31	LDS
71-55-6	**1,1,1-Trichloroethane**	**9.9**		ug/m³	0.64	0.64	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.80	0.80	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.90	0.90	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.64	0.64	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-34-3	**1,1-Dichloroethane**	**3.0**		ug/m³	0.47	0.47	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.46	0.46	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.87	0.87	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.57	0.57	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.90	0.90	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.70	0.70	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.47	0.47	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.54	0.54	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.82	0.82	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.57	0.57	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.78	0.78	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.70	0.70	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.54	0.54	1.168	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 22:31	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.70	0.70	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.84	0.84	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
78-93-3	**2-Butanone**	**0.48**		ug/m³	0.34	0.34	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.96	0.96	1.168	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 22:31	LDS

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 16E0322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Soil Vapor	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.8	1.8	1.168	EPA TO-15 Certifications: NELAC-NY10854	05/12/2016 13:05	05/12/2016 22:31	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.48	0.48	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
67-64-1	**Acetone**	**3.9**		ug/m³	0.55	0.55	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
107-13-1	**Acrylonitrile**	**4.6**		ug/m³	0.25	0.25	1.168	EPA TO-15 Certifications: NELAC-NY10854	05/12/2016 13:05	05/12/2016 22:31	LDS
71-43-2	Benzene	ND		ug/m³	0.37	0.37	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.60	0.60	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-27-4	**Bromodichloromethane**	**1.1**		ug/m³	0.78	0.78	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-25-2	Bromoform	ND		ug/m³	1.2	1.2	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
74-83-9	Bromomethane	ND		ug/m³	0.45	0.45	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.36	0.36	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
56-23-5	**Carbon tetrachloride**	**0.88**		ug/m³	0.18	0.18	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.54	0.54	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-00-3	Chloroethane	ND		ug/m³	0.31	0.31	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
67-66-3	**Chloroform**	**28**		ug/m³	0.57	0.57	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
74-87-3	Chloromethane	ND		ug/m³	0.24	0.24	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
156-59-2	**cis-1,2-Dichloroethylene**	**3.2**		ug/m³	0.46	0.46	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.53	0.53	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.40	0.40	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.99	0.99	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-71-8	**Dichlorodifluoromethane**	**2.8**		ug/m³	0.58	0.58	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.84	0.84	1.168	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 22:31	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.51	0.51	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.2	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 16E0322-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Soil Vapor	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	0.57	0.57	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.48	0.48	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.42	0.42	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-09-2	**Methylene chloride**	**4.2**		ug/m³	0.81	0.81	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
142-82-5	n-Heptane	ND		ug/m³	0.48	0.48	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
110-54-3	n-Hexane	ND		ug/m³	0.41	0.41	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
95-47-6	o-Xylene	ND		ug/m³	0.51	0.51	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.0	1.0	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.57	0.57	1.168	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 22:31	LDS
115-07-1	* Propylene	ND		ug/m³	0.20	0.20	1.168	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 22:31	LDS
100-42-5	Styrene	ND		ug/m³	0.50	0.50	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
127-18-4	**Tetrachloroethylene**	**10**		ug/m³	0.20	0.20	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.69	0.69	1.168	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 22:31	LDS
108-88-3	Toluene	ND		ug/m³	0.44	0.44	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.46	0.46	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.53	0.53	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
79-01-6	**Trichloroethylene**	**6.9**		ug/m³	0.16	0.16	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**26**		ug/m³	0.66	0.66	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.41	0.41	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.51	0.51	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.30	0.30	1.168	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 22:31	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.8 %*	*72-118*

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 16E0322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Soil Vapor	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	13	18.6	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 23:20	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	10	10	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	13	13	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	14	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	10	10	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.5	7.5	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.4	7.4	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	14	14	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	9.1	9.1	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	14	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	11	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.5	7.5	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.6	8.6	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	13	13	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	9.1	9.1	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	12	12	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	11	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.6	8.6	18.6	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 23:20	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	11	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	13	13	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
78-93-3	2-Butanone	ND		ug/m³	5.5	5.5	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	15	15	18.6	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 23:20	LDS
107-05-1	3-Chloropropene	ND		ug/m³	29	29	18.6	EPA TO-15 Certifications: NELAC-NY10854	05/12/2016 13:05	05/12/2016 23:20	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.6	7.6	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 16E0322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Soil Vapor	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**30**		ug/m³	8.8	8.8	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
107-13-1	Acrylonitrile	ND		ug/m³	4.0	4.0	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854			
71-43-2	Benzene	ND		ug/m³	5.9	5.9	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
100-44-7	Benzyl chloride	ND		ug/m³	9.6	9.6	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/m³	12	12	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/m³	19	19	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/m³	7.2	7.2	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-15-0	Carbon disulfide	ND		ug/m³	5.8	5.8	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.9	2.9	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/m³	8.6	8.6	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/m³	4.9	4.9	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-66-3	Chloroform	ND		ug/m³	9.1	9.1	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/m³	3.8	3.8	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.4	7.4	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.4	8.4	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-82-7	Cyclohexane	ND		ug/m³	6.4	6.4	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/m³	16	16	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-71-8	**Dichlorodifluoromethane**	**10**		ug/m³	9.2	9.2	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
141-78-6	* Ethyl acetate	ND		ug/m³	13	13	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	8.1	8.1	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/m³	20	20	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	9.1	9.1	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	7.6	7.6	18.6	EPA TO-15	05/12/2016 13:05	05/12/2016 23:20	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 16E0322-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Soil Vapor	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.7	6.7	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
75-09-2	**Methylene chloride**	**110**		ug/m³	13	13	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
142-82-5	n-Heptane	ND		ug/m³	7.6	7.6	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
110-54-3	**n-Hexane**	**28**		ug/m³	6.6	6.6	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
95-47-6	o-Xylene	ND		ug/m³	8.1	8.1	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	16	16	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	9.1	9.1	18.6	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 23:20	LDS
115-07-1	* Propylene	ND		ug/m³	3.2	3.2	18.6	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 23:20	LDS
100-42-5	Styrene	ND		ug/m³	7.9	7.9	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	3.2	3.2	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	11	11	18.6	EPA TO-15 Certifications:	05/12/2016 13:05	05/12/2016 23:20	LDS
108-88-3	Toluene	ND		ug/m³	7.0	7.0	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.4	7.4	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.4	8.4	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.5	2.5	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**89**		ug/m³	10	10	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
108-05-4	Vinyl acetate	ND		ug/m³	6.5	6.5	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
593-60-2	Vinyl bromide	ND		ug/m³	8.1	8.1	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.8	4.8	18.6	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/12/2016 23:20	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.4 %*	*72-118*

Sample Information

Client Sample ID: AI-1 **York Sample ID:** 16E0322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Indoor Ambient Air	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	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	12	17.14	EPA TO-15 Certifications:	05/12/2016 13:05	05/13/2016 00:09	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.4	9.4	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	13	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.4	9.4	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.9	6.9	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.8	6.8	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.4	8.4	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	10	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.9	6.9	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.9	7.9	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.4	8.4	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	11	11	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	10	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.9	7.9	17.14	EPA TO-15 Certifications:	05/12/2016 13:05	05/13/2016 00:09	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	10	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	12	12	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
78-93-3	2-Butanone	ND		ug/m³	5.1	5.1	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	14	14	17.14	EPA TO-15 Certifications:	05/12/2016 13:05	05/13/2016 00:09	LDS
107-05-1	3-Chloropropene	ND		ug/m³	27	27	17.14	EPA TO-15 Certifications: NELAC-NY10854	05/12/2016 13:05	05/13/2016 00:09	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.0	7.0	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS

Sample Information

Client Sample ID: **AI-1** **York Sample ID:** **16E0322-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Indoor Ambient Air	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**19**		ug/m³	8.1	8.1	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
107-13-1	Acrylonitrile	ND		ug/m³	3.7	3.7	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854			
71-43-2	**Benzene**	**11**		ug/m³	5.5	5.5	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
100-44-7	Benzyl chloride	ND		ug/m³	8.9	8.9	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/m³	18	18	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/m³	6.7	6.7	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-15-0	Carbon disulfide	ND		ug/m³	5.3	5.3	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.7	2.7	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-90-7	Chlorobenzene	ND		ug/m³	7.9	7.9	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-00-3	Chloroethane	ND		ug/m³	4.5	4.5	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-66-3	**Chloroform**	**12**		ug/m³	8.4	8.4	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
74-87-3	Chloromethane	ND		ug/m³	3.5	3.5	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.8	6.8	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.8	7.8	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-82-7	Cyclohexane	ND		ug/m³	5.9	5.9	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/m³	15	15	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.5	8.5	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
141-78-6	* Ethyl acetate	ND		ug/m³	12	12	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	7.4	7.4	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	18	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	8.4	8.4	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	7.0	7.0	17.14	EPA TO-15	05/12/2016 13:05	05/13/2016 00:09	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: AI-1 **York Sample ID:** 16E0322-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0322	160094-542 West 29th St. New York, NY	Indoor Ambient Air	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.2	6.2	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
75-09-2	Methylene chloride	ND		ug/m³	12	12	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
142-82-5	n-Heptane	ND		ug/m³	7.0	7.0	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
110-54-3	n-Hexane	ND		ug/m³	6.0	6.0	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
95-47-6	o-Xylene	ND		ug/m³	7.4	7.4	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	15	15	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	8.4	8.4	17.14	EPA TO-15 Certifications:	05/12/2016 13:05	05/13/2016 00:09	LDS
115-07-1	*** Propylene**	**17**		ug/m³	2.9	2.9	17.14	EPA TO-15 Certifications:	05/12/2016 13:05	05/13/2016 00:09	LDS
100-42-5	Styrene	ND		ug/m³	7.3	7.3	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	2.9	2.9	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	10	10	17.14	EPA TO-15 Certifications:	05/12/2016 13:05	05/13/2016 00:09	LDS
108-88-3	**Toluene**	**9.0**		ug/m³	6.5	6.5	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.8	6.8	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.8	7.8	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
79-01-6	Trichloroethylene	ND		ug/m³	2.3	2.3	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.6	9.6	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
108-05-4	Vinyl acetate	ND		ug/m³	6.0	6.0	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
593-60-2	Vinyl bromide	ND		ug/m³	7.5	7.5	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	4.4	4.4	17.14	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	05/12/2016 13:05	05/13/2016 00:09	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*72-118*

Analytical Batch Summary

Batch ID: BE60633 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
16E0322-01	SV-1	05/12/16
16E0322-02	SV-2	05/12/16
16E0322-03	AI-1	05/12/16
BE60633-BLK1	Blank	05/12/16
BE60633-BS1	LCS	05/12/16

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 BE60633 - EPA TO15 PREP											
Blank (BE60633-BLK1)											Prepared & Analyzed: 05/12/2016
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	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60633 - EPA TO15 PREP											
Blank (BE60633-BLK1)								Prepared & Analyzed: 05/12/2016			
o-Xylene	ND	0.43	ug/m³								
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	*9.58*		*ppbv*	*10.0*		*95.8*	*72-118*				
LCS (BE60633-BS1)								Prepared & Analyzed: 05/12/2016			
1,1,1,2-Tetrachloroethane	11.8		ppbv	10.0		118	82-126				
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		"	10.0		111	70-130				
1,1,2-Trichloroethane	11.1		"	10.0		111	70-130				
1,1-Dichloroethane	10.9		"	10.0		109	70-130				
1,1-Dichloroethylene	11.3		"	10.0		113	70-130				
1,2,4-Trichlorobenzene	9.33		"	10.0		93.3	70-130				
1,2,4-Trimethylbenzene	12.4		"	10.0		124	70-130				
1,2-Dibromoethane	11.7		"	10.0		117	70-130				
1,2-Dichlorobenzene	11.9		"	10.0		119	70-130				
1,2-Dichloroethane	11.2		"	10.0		112	70-130				
1,2-Dichloropropane	11.1		"	10.0		111	70-130				
1,2-Dichlorotetrafluoroethane	11.3		"	10.0		113	70-130				
1,3,5-Trimethylbenzene	11.9		"	10.0		119	70-130				
1,3-Butadiene	10.8		"	10.0		108	70-130				
1,3-Dichlorobenzene	11.7		"	10.0		117	70-130				
1,3-Dichloropropane	11.5		"	10.0		115	70-130				
1,4-Dichlorobenzene	12.2		"	10.0		122	70-130				
1,4-Dioxane	16.6		"	10.0		166	70-130	High Bias			
2-Butanone	11.6		"	10.0		116	70-130				
2-Hexanone	11.8		"	10.0		118	70-130				
3-Chloropropene	11.9		"	10.0		119	70-130				
4-Methyl-2-pentanone	14.0		"	10.0		140	70-130	High Bias			
Acetone	10.0		"	10.0		100	70-130				
Acrylonitrile	11.5		"	10.0		115	70-130				
Benzene	10.9		"	10.0		109	70-130				
Benzyl chloride	9.83		"	10.0		98.3	70-130				
Bromodichloromethane	11.8		"	10.0		118	70-130				
Bromoform	12.0		"	10.0		120	70-130				
Bromomethane	10.3		"	10.0		103	70-130				
Carbon disulfide	11.3		"	10.0		113	70-130				
Carbon tetrachloride	11.8		"	10.0		118	70-130				
Chlorobenzene	10.7		"	10.0		107	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 BE60633 - EPA TO15 PREP											
LCS (BE60633-BS1)								Prepared & Analyzed: 05/12/2016			
Chloroethane	12.8		ppbv	10.0		128	70-130				
Chloroform	10.9		"	10.0		109	70-130				
Chloromethane	10.4		"	10.0		104	70-130				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				
cis-1,3-Dichloropropylene	12.4		"	10.0		124	70-130				
Cyclohexane	12.0		"	10.0		120	70-130				
Dibromochloromethane	12.3		"	10.0		123	70-130				
Dichlorodifluoromethane	12.5		"	10.0		125	70-130				
Ethyl acetate	11.7		"	10.0		117	70-130				
Ethyl Benzene	11.7		"	10.0		117	70-130				
Hexachlorobutadiene	12.6		"	10.0		126	70-130				
Isopropanol	12.7		"	10.0		127	70-130				
Methyl Methacrylate	12.5		"	10.0		125	70-130				
Methyl tert-butyl ether (MTBE)	12.3		"	10.0		123	70-130				
Methylene chloride	9.78		"	10.0		97.8	70-130				
n-Heptane	12.5		"	10.0		125	70-130				
n-Hexane	11.2		"	10.0		112	70-130				
o-Xylene	12.6		"	10.0		126	70-130				
p- & m- Xylenes	23.7		"	20.0		119	70-130				
p-Ethyltoluene	12.4		"	10.0		124	70-130				
Propylene	10.6		"	10.0		106	70-130				
Styrene	11.6		"	10.0		116	70-130				
Tetrachloroethylene	11.1		"	10.0		111	70-130				
Tetrahydrofuran	11.7		"	10.0		117	70-130				
Toluene	11.5		"	10.0		115	70-130				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	70-130				
trans-1,3-Dichloropropylene	12.7		"	10.0		127	70-130				
Trichloroethylene	11.4		"	10.0		114	70-130				
Trichlorofluoromethane (Freon 11)	11.3		"	10.0		113	70-130				
Vinyl acetate	12.3		"	10.0		123	70-130				
Vinyl bromide	11.4		"	10.0		114	70-130				
Vinyl Chloride	11.2		"	10.0		112	70-130				
Surrogate: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*72-118*				

Notes and Definitions

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.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record - AIR

YORK ANALYTICAL LABORATORIES INC

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

York Project No. 16E0322

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Hydro Tech Env.	Company: SAME	Company: Hydro Tech Env.	160094-542 West 29th St. New York, NY.	RUSH - Same Day ☐	Summary Report ✓
Address: 77 Arkay Drive Suite G, Hauppauge, NY 11788	Address:	Address: 77 Arkay Drive, Suite G Hauppauge, NY, 11788	**Purchase Order No.** 8301	RUSH - Next Day ☐	Summary w/ QA Summary ✓
Phone No. 631 462 58 66	Phone No.	Phone No. 631-462 58 66		RUSH - Two Day ☐	CT RCP Package ☐
Contact Person: Erica Johnston	Attention:	Attention: Mustima Ward.		RUSH - Three Day ☐	NY ASP A Package ☐
E-Mail Address: EJohnston@hydrotechenvironmental.com	E-Mail Address:	E-Mail Address: Mward@hydrotechenvironmental.com	Samples from: CT ☐ NY X NJ ☐	RUSH - Four Day ☐	NY ASP B/CLP Pkg ☐
				Standard(5-7 Days) X	NJDEP Reduced ☐
					Electronic Deliverables:
					EDD (Specify Type) ☐
					Standard Excel ✓
					Regulatory Comparison Excel ✓

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

AZ
Samples Collected/Authorized By (Signature)

Adriana Zapata A.
Name (printed)

Air Matrix Codes

AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

Additional Notes:

Please enter the following Field Data

Detection Limits Required

≤ 1 ug/m³ ☐
NYSDEC VI Limits ☐
(VI = vapor intrusion)
NJDEP low level ☐
Routine Survey ☐
Other ☐

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont.ID	ANALYSES REQUESTED	Sampling Media
SV-1	05-07-16	AS	-23	-2.	18316	7364	TO-15.	6 Liter canister ✓ Tedlar Bag ☐
SV-2	↓	AS	-20	-2	461	429.	↓	6 Liter canister ✓ Tedlar Bag ☐
AI-1	↓	AI	-30	-4	460	Y-28	↓	6 Liter canister ✓ Tedlar Bag ☐
								6 Liter canister ☐ Tedlar Bag ☐
								6 Liter canister ☐ Tedlar Bag ☐
								6 Liter canister ☐ Tedlar Bag ☐
								6 Liter canister ☐ Tedlar Bag ☐
								6 Liter canister ☐ Tedlar Bag ☐
								6 Liter canister ☐ Tedlar Bag ☐
								6 Liter canister ☐ Tedlar Bag ☐

Comments

Samples Relinquished By — 5/9/16 12:00 pm Date/Time
KBah 5/9/16 — Samples Relinquished By — Date/Time

KBah — Samples Received By — 5/9/16 12:00 pm Date/Time
Samples Received in LAB by — 5/9/16 - 1751 Date/Time

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Report Date: 05/13/2016
Client Project ID: 160094-542 West 29th St. New York, NY
York Project (SDG) No.: 16E0327

Report Date: 05/13/2016
Client Project ID: 160094-542 West 29th St. New York, NY
York Project (SDG) No.: 16E0327

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Erica Johnston

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 09, 2016 and listed below. The project was identified as your project: **160094-542 West 29th St. New York, NY**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16E0327-01	MW-1	Water	05/07/2016	05/09/2016
16E0327-02	MW-2	Water	05/07/2016	05/09/2016
16E0327-03	MW-3	Water	05/07/2016	05/09/2016
16E0327-04	Trip Blank	Water	05/07/2016	05/09/2016
16E0327-05	FB-1	Water	05/07/2016	05/09/2016

General Notes for York Project (SDG) No.: 16E0327

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

Approved By: 

Date: 05/13/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
75-34-3	**1,1-Dichloroethane**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
75-35-4	**1,1-Dichloroethylene**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
527-53-7	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:00	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
95-63-6	**1,2,4-Trimethylbenzene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
78-93-3	2-Butanone	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
156-59-2	**cis-1,2-Dichloroethylene**	**0.62**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:00	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:00	BK

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:00	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:00	BK
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:00	BK
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:00	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
108-88-3	**Toluene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
79-01-6	**Trichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	05/11/2016 17:07	05/12/2016 00:00	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*79-122*

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.67	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.69	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.82	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.39	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.38	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.98	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
88-74-4	2-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.37	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
99-09-2	3-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.44	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.22	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.65	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.90	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 16E0327-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/L	1.62	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.921	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.91	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.62	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.23	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
86-74-8	Carbazole	ND		ug/L	1.42	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
132-64-9	Dibenzofuran	ND		ug/L	2.61	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.77	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.06	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.22	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.21	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 18:46	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/11/2016 14:10	SR

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.74	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 18:46	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:10	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:10	SR
78-59-1	Isophorone	ND		ug/L	2.90	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 18:46	KH
91-20-3	Naphthalene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:10	SR
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:10	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:10	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.77	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 18:46	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 18:46	KH
85-01-8	**Phenanthrene**	**0.108**		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:10	SR
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:10	SR
110-86-1	Pyridine	ND		ug/L	4.23	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 18:46	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*64.6 %*	*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*61.6 %*	*16-84*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.5 %*	*15-106*

Pesticides, 8081 target list

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

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
309-00-2	Aldrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 16E0327-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0421	0.0421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
319-86-8	delta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
60-57-1	Dieldrin	ND		ug/L	0.00211	0.00211	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
72-20-8	Endrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	0.0105	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0105	0.0105	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	0.0105	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
76-44-8	Heptachlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC
8001-35-2	Toxaphene	ND		ug/L	0.105	0.105	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:16	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.6 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*36.1 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 16:45	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 16:45	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 16:45	AMC

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Polychlorinated Biphenyls (PCB)

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

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 16:45	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 16:45	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 16:45	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 16:45	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0526	0.0526	1	EPA 8082A Certifications:	05/12/2016 06:34	05/12/2016 16:45	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*30.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.5 %*	*30-120*

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**1.49**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-38-2	**Arsenic**	**0.420**		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-39-3	**Barium**	**0.211**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-70-2	**Calcium**	**315**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-47-3	**Chromium**	**0.013**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7440-50-8	**Copper**	**0.229**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7439-89-6	**Iron**	**4.66**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7439-92-1	**Lead**	**0.177**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV
7439-95-4	**Magnesium**	**77.5**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:07	KV

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 16E0327-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**6.46**		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**0.009**		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**48.6**		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.016**		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**450**		mg/L	0.111	0.111	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	**Thallium**	**0.011**		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.172**		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:07	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.230**		mg/L	0.004	0.004	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**0.205**		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**321**		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**0.018**		mg/L	0.003	0.003	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**0.054**		mg/L	0.022	0.022	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Metals, Target Analyte, Dissolved

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

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**78.1**		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**6.13**		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**49.7**		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**0.017**		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**454**		mg/L	0.111	0.111	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	**Thallium**	**0.011**		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.028**		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:23	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	05/10/2016 06:29	05/10/2016 13:50	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473, Dissolved

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	05/10/2016 06:29	05/10/2016 13:50	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	0.0100	1	EPA 7196A	05/09/2016 19:55	05/09/2016 20:44	TJM
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **16E0327-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**0.0130**		mg/L	0.00800	0.0100	1	Calculation	05/13/2016 16:25	05/13/2016 16:29	SC
								Certifications:			

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **16E0327-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-34-3	**1,1-Dichloroethane**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-35-4	**1,1-Dichloroethylene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	NELAC-NY10854,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	NELAC-NY10854,NJDEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	NELAC-NY10854,NJDEP		
527-53-7	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	NELAC-NY10854		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	NELAC-NY10854,NJDEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 16E0327-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
78-93-3	2-Butanone	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 00:26	BK

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **16E0327-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	**Chloroform**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
156-59-2	**cis-1,2-Dichloroethylene**	**0.70**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**2.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:26	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:26	BK
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:26	BK
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:26	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:26	BK

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 16E0327-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	**Tetrachloroethylene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-88-3	**Toluene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
156-60-5	**trans-1,2-Dichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
79-01-6	**Trichloroethylene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:26	BK
								Certifications: CTDOH,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.3 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*79-122*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.67	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.69	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: NELAC-NY10854,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.82	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.39	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: NELAC-NY10854,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-58-7	2-Chloronaphthalene	ND		ug/L	2.38	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-57-6	2-Methylnaphthalene	ND		ug/L	2.98	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-74-4	2-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.37	5.41	1	EPA 8270D	05/10/2016 14:37	05/12/2016 19:19	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			



Sample Information

Client Sample ID: MW-2 **York Sample ID:** 16E0327-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.44	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.22	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.65	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.90	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
62-53-3	Aniline	ND		ug/L	1.62	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.921	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.91	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.62	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.23	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
86-74-8	Carbazole	ND		ug/L	1.42	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
132-64-9	Dibenzofuran	ND		ug/L	2.61	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.77	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 16E0327-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.06	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.22	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.21	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.74	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
78-59-1	Isophorone	ND		ug/L	2.90	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
91-20-3	Naphthalene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.77	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 14:41	SR
110-86-1	Pyridine	ND		ug/L	4.23	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:19	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*68.8 %*	*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*64.1 %*	*16-84*
1718-51-0	*Surrogate: Terphenyl-d14*	*61.0 %*	*15-106*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 16E0327-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0432	0.0432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
60-57-1	Dieldrin	ND		ug/L	0.00216	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC
8001-35-2	Toxaphene	ND		ug/L	0.108	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:31	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.1 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*33.8 %*	*30-120*

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **16E0327-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 17:04	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 17:04	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 17:04	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 17:04	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 17:04	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 17:04	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 06:34	05/12/2016 17:04	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0541	0.0541	1	EPA 8082A Certifications:	05/12/2016 06:34	05/12/2016 17:04	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*30.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.0 %*	*30-120*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**1.35**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-38-2	**Arsenic**	**0.911**		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-39-3	**Barium**	**0.087**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-70-2	**Calcium**	**395**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-47-3	**Chromium**	**0.006**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV
7440-50-8	**Copper**	**0.017**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:11	KV

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **16E0327-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.91**		mg/L	0.022	0.022	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**0.007**		mg/L	0.003	0.003	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**91.5**		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**7.99**		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**54.4**		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**440**		mg/L	0.111	0.111	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	**Thallium**	**0.013**		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	**Zinc**	**0.018**		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:09	05/10/2016 17:11	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.468**		mg/L	0.004	0.004	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**0.065**		mg/L	0.011	0.011	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**344**		mg/L	0.056	0.056	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C	05/10/2016 10:06	05/10/2016 15:41	KV
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 16E0327-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Metals, Target Analyte, Dissolved

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

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-50-8	**Copper**	**0.012**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7439-89-6	**Iron**	**0.066**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7439-95-4	**Magnesium**	**82.9**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7439-96-5	**Manganese**	**6.79**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-09-7	**Potassium**	**47.0**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-23-5	**Sodium**	**376**		mg/L	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-28-0	**Thallium**	**0.015**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV
7440-66-6	Zinc	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:41	KV

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 06:29	05/10/2016 13:50	ALD

Mercury by 7473, Dissolved

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 06:29	05/10/2016 13:50	ALD

Chromium, Hexavalent

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

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **16E0327-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/09/2016 19:55	05/09/2016 20:44	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation Certifications:	05/13/2016 16:25	05/13/2016 16:29	SC

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **16E0327-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
75-34-3	**1,1-Dichloroethane**	**0.60**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
75-35-4	**1,1-Dichloroethylene**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
527-53-7	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:52	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 16E0327-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: NELAC-NY10854,NJDEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: NELAC-NY10854,NJDEP			
78-93-3	2-Butanone	ND		ug/L	0.80	2.0	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
71-43-2	**Benzene**	**0.33**	J	ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: NELAC-NY10854,NJDEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: NELAC-NY10854,NJDEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 00:52	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **16E0327-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
67-66-3	**Chloroform**	**2.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
74-87-3	**Chloromethane**	**2.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
156-59-2	**cis-1,2-Dichloroethylene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**3.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
95-47-6	**o-Xylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:52	BK
179601-23-1	**p- & m- Xylenes**	**0.67**	J	ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:52	BK
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:52	BK
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	05/11/2016 17:07	05/12/2016 00:52	BK

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 16E0327-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
108-88-3	**Toluene**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
75-01-4	**Vinyl Chloride**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK
1330-20-7	*** Xylenes, Total**	**0.91**	J	ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	05/11/2016 17:07	05/12/2016 00:52	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.3 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*79-122*

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.60	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 19:53	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.62	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2016 14:37	05/12/2016 19:53	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.75	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2016 14:37	05/12/2016 19:53	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.33	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2016 14:37	05/12/2016 19:53	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.69	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 19:53	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.69	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 19:53	KH

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 16E0327-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/L	2.32	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.91	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
88-74-4	2-Nitroaniline	ND		ug/L	1.77	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.34	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
99-09-2	3-Nitroaniline	ND		ug/L	1.77	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.40	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.14	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.58	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.82	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
83-32-9	**Acenaphthene**	**0.653**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
62-53-3	Aniline	ND		ug/L	1.58	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
120-12-7	**Anthracene**	**0.284**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
56-55-3	**Benzo(a)anthracene**	**0.274**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
50-32-8	**Benzo(a)pyrene**	**0.168**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
205-99-2	**Benzo(b)fluoranthene**	**0.168**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
191-24-2	**Benzo(g,h,i)perylene**	**0.137**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
207-08-9	**Benzo(k)fluoranthene**	**0.158**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.897	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.86	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.58	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.15	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR



Sample Information

Client Sample ID: MW-3 **York Sample ID:** 16E0327-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		ug/L	1.38	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
218-01-9	**Chrysene**	**0.211**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
53-70-3	**Dibenzo(a,h)anthracene**	**0.0632**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
132-64-9	Dibenzofuran	ND		ug/L	2.54	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.69	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.01	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.16	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.18	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
206-44-0	**Fluoranthene**	**0.916**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
86-73-7	**Fluorene**	**0.663**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	0.0211	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.66	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
67-72-1	Hexachloroethane	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.126**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
78-59-1	Isophorone	ND		ug/L	2.82	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
91-20-3	**Naphthalene**	**0.147**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	0.263	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	0.526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.69	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 19:53	KH
85-01-8	**Phenanthrene**	**3.38**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR
129-00-0	**Pyrene**	**0.832**		ug/L	0.0526	0.0526	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:11	SR

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 16E0327-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	4.12	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 14:37	05/12/2016 19:53	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*61.2 %*	*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.6 %*	*16-84*
1718-51-0	*Surrogate: Terphenyl-d14*	*48.5 %*	*15-106*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
309-00-2	Aldrin	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
319-85-7	beta-BHC	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0471	0.0471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
319-86-8	delta-BHC	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
60-57-1	Dieldrin	ND		ug/L	0.00235	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
72-20-8	Endrin	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0118	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 06:34	05/13/2016 10:46	AMC

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 16E0327-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	0.0118	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:46	AMC
76-44-8	Heptachlor	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:46	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:46	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00471	0.00471	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:46	AMC
8001-35-2	Toxaphene	ND		ug/L	0.118	0.118	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 10:46	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.3 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*35.2 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:23	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:23	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:23	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:23	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:23	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:23	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:23	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0588	0.0588	1	EPA 8082A Certifications:	05/12/2016 06:34	05/12/2016 17:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*35.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*49.5 %*	*30-120*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4.67**		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **16E0327-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-38-2	**Arsenic**	**0.164**		mg/L	0.004	0.004	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-39-3	**Barium**	**0.127**		mg/L	0.011	0.011	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-70-2	**Calcium**	**114**		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-47-3	**Chromium**	**0.021**		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-48-4	**Cobalt**	**0.010**		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-50-8	**Copper**	**0.192**		mg/L	0.003	0.003	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7439-89-6	**Iron**	**8.01**		mg/L	0.022	0.022	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7439-92-1	**Lead**	**0.495**		mg/L	0.003	0.003	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7439-95-4	**Magnesium**	**17.3**		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7439-96-5	**Manganese**	**4.09**		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-02-0	**Nickel**	**0.019**		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-09-7	**Potassium**	**21.6**		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-23-5	**Sodium**	**438**		mg/L	0.111	0.111	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-28-0	**Thallium**	**0.006**		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-62-2	**Vanadium**	**0.039**		mg/L	0.011	0.011	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV
7440-66-6	**Zinc**	**0.207**		mg/L	0.011	0.011	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:17	KV

Metals, Target Analyte, Dissolved

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **16E0327-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-38-2	**Arsenic**	**0.111**		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-39-3	**Barium**	**0.048**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-70-2	**Calcium**	**81.1**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-50-8	**Copper**	**0.024**		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7439-89-6	**Iron**	**0.100**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7439-95-4	**Magnesium**	**10.7**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7439-96-5	**Manganese**	**1.83**		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-09-7	**Potassium**	**18.8**		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7782-49-2	**Selenium**	**0.012**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-23-5	**Sodium**	**391**		mg/L	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-62-2	**Vanadium**	**0.012**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV
7440-66-6	Zinc	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:46	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 16E0327-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	05/10/2016 06:29	05/10/2016 13:50	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473, Dissolved **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	05/10/2016 06:29	05/10/2016 13:50	ALD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	0.0100	1	EPA 7196A	05/09/2016 19:55	05/09/2016 20:44	TJM
								Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**0.0210**		mg/L	0.00800	0.0100	1	Calculation	05/13/2016 16:25	05/13/2016 16:29	SC
								Certifications:			

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 16E0327-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 01:17	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 01:17	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 01:17	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	05/11/2016 17:07	05/12/2016 01:17	BK
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **16E0327-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
527-53-7	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:17	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
78-93-3	2-Butanone	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **16E0327-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:17	BK

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **16E0327-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 3:00 pm	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:17	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:17	BK
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:17	BK
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:17	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:17	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NJDEP	05/12/2016 01:17	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*79-122*

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
527-53-7	1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:43	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
78-93-3	2-Butanone	ND		ug/L	0.80	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:43	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:43	BK
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:43	BK
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 NELAC-NY10854	05/12/2016 01:43	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NELAC-NY10854,NJDEP	05/12/2016 01:43	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	05/11/2016 17:07 CTDOH,NJDEP	05/12/2016 01:43	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.2 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81-117*

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*			*79-122*						

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.67	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.69	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,PADEP	05/12/2016 20:26	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.82	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,PADEP	05/12/2016 20:26	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.39	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,PADEP	05/12/2016 20:26	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.38	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.98	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
88-74-4	2-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.37	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
99-09-2	3-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.44	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.22	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.65	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.90	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
62-53-3	Aniline	ND		ug/L	1.62	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.921	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.91	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.62	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.23	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
86-74-8	Carbazole	ND		ug/L	1.42	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
132-64-9	Dibenzofuran	ND		ug/L	2.61	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.77	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.06	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.22	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.21	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.74	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/L	2.90	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
91-20-3	Naphthalene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.77	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2016 15:41	SR
110-86-1	Pyridine	ND		ug/L	4.23	5.41	1	EPA 8270D Certifications:	05/10/2016 14:37 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2016 20:26	KH

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.2 %*	*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*64.6 %*	*16-84*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.7 %*	*15-106*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
309-00-2	Aldrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
319-84-6	alpha-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
319-85-7	beta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
57-74-9	Chlordane, total	ND		ug/L	0.0444	0.0444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
319-86-8	delta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
60-57-1	Dieldrin	ND		ug/L	0.00222	0.00222	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
959-98-8	Endosulfan I	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
72-20-8	Endrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	0.0111	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
76-44-8	Heptachlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
72-43-5	Methoxychlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC
8001-35-2	Toxaphene	ND		ug/L	0.111	0.111	1	EPA 8081B Certifications:	05/12/2016 06:34 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/13/2016 11:01	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*63.9 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.7 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:43	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:43	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:43	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:43	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:43	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:43	AMC



Sample Information

Client Sample ID: **FB-1** **York Sample ID:** **16E0327-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Polychlorinated Biphenyls (PCB)

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

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

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34 NELAC-NY10854,CTDOH,NJDEP,PADEP	05/12/2016 17:43	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA 8082A Certifications:	05/12/2016 06:34	05/12/2016 17:43	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.0 %*	*30-120*

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-39-3	Barium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-70-2	Calcium	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7439-89-6	**Iron**	**0.078**		mg/L	0.022	0.022	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7439-95-4	Magnesium	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7439-96-5	Manganese	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7440-09-7	Potassium	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications:	05/10/2016 10:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 17:22	KV

Sample Information

Client Sample ID: **FB-1** **York Sample ID:** **16E0327-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:22	KV
7440-23-5	**Sodium**	**0.970**		mg/L	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:22	KV
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:22	KV
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:22	KV
7440-66-6	Zinc	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:09	05/10/2016 17:22	KV

Metals, Target Analyte, Dissolved

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

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-36-0	Antimony	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-39-3	Barium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-70-2	Calcium	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-48-4	Cobalt	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7439-89-6	**Iron**	**0.092**		mg/L	0.022	0.022	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7439-95-4	Magnesium	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7439-96-5	Manganese	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-02-0	Nickel	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-09-7	Potassium	ND		mg/L	0.056	0.056	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 16E0327-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16E0327	160094-542 West 29th St. New York, NY	Water	May 7, 2016 10:30 am	05/09/2016

Metals, Target Analyte, Dissolved

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

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-23-5	**Sodium**	**1.11**		mg/L	0.111	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-28-0	Thallium	ND		mg/L	0.006	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-62-2	Vanadium	ND		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV
7440-66-6	**Zinc**	**0.013**		mg/L	0.011	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 10:06	05/10/2016 15:52	KV

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 06:29	05/10/2016 13:50	ALD

Mercury by 7473, Dissolved

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2016 06:29	05/10/2016 13:50	ALD

Chromium, Hexavalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/09/2016 19:55	05/09/2016 20:44	TJM

Chromium, Trivalent

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

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.00800	0.0100	1	Calculation Certifications:	05/13/2016 16:25	05/13/2016 16:29	SC

Analytical Batch Summary

Batch ID: BE60432 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/09/16
16E0327-02	MW-2	05/09/16
16E0327-03	MW-3	05/09/16
16E0327-05	FB-1	05/09/16
BE60432-BLK1	Blank	05/09/16
BE60432-BS1	LCS	05/09/16
BE60432-DUP1	Duplicate	05/09/16
BE60432-MS1	Matrix Spike	05/09/16

Batch ID: BE60438 **Preparation Method:** EPA 7473 water **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/10/16
16E0327-02	MW-2	05/10/16
16E0327-03	MW-3	05/10/16
16E0327-05	FB-1	05/10/16
BE60438-BLK1	Blank	05/10/16
BE60438-SRM1	Reference	05/10/16

Batch ID: BE60462 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/10/16
16E0327-02	MW-2	05/10/16
16E0327-03	MW-3	05/10/16
16E0327-05	FB-1	05/10/16
BE60462-BLK1	Blank	05/10/16
BE60462-SRM1	Reference	05/10/16

Batch ID: BE60464 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/10/16
16E0327-02	MW-2	05/10/16
16E0327-03	MW-3	05/10/16
16E0327-05	FB-1	05/10/16
BE60464-BLK1	Blank	05/10/16
BE60464-SRM1	Reference	05/10/16

Batch ID: BE60483 **Preparation Method:** EPA 3510C **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/10/16

16E0327-02	MW-2	05/10/16
16E0327-03	MW-3	05/10/16
16E0327-05	FB-1	05/10/16
BE60483-BLK1	Blank	05/10/16
BE60483-BLK2	Blank	05/10/16
BE60483-BS1	LCS	05/10/16
BE60483-BS2	LCS	05/10/16
BE60483-BSD1	LCS Dup	05/10/16

Batch ID: BE60569 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/11/16
16E0327-02	MW-2	05/11/16
16E0327-03	MW-3	05/11/16
16E0327-04	Trip Blank	05/11/16
16E0327-05	FB-1	05/11/16
BE60569-BLK1	Blank	05/11/16
BE60569-BS1	LCS	05/11/16
BE60569-BSD1	LCS Dup	05/11/16

Batch ID: BE60578 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/12/16
16E0327-01	MW-1	05/12/16
16E0327-02	MW-2	05/12/16
16E0327-02	MW-2	05/12/16
16E0327-03	MW-3	05/12/16
16E0327-03	MW-3	05/12/16
16E0327-05	FB-1	05/12/16
16E0327-05	FB-1	05/12/16
BE60578-BLK1	Blank	05/12/16
BE60578-BLK2	Blank	05/12/16
BE60578-BS1	LCS	05/12/16
BE60578-BS2	LCS	05/12/16
BE60578-BSD1	LCS Dup	05/12/16
BE60578-BSD2	LCS Dup	05/12/16

Batch ID: BE60717 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
16E0327-01	MW-1	05/13/16
16E0327-02	MW-2	05/13/16
16E0327-03	MW-3	05/13/16
16E0327-05	FB-1	05/13/16

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60569 - EPA 5030B											
Blank (BE60569-BLK1)											
Prepared & Analyzed: 05/11/2016											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	2.0	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60569 - EPA 5030B											
Blank (BE60569-BLK1)											
Prepared & Analyzed: 05/11/2016											
Naphthalene	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				
LCS (BE60569-BS1)											
Prepared & Analyzed: 05/11/2016											
1,1,1,2-Tetrachloroethane	9.67		ug/L	10.0		96.7	82-126				
1,1,1-Trichloroethane	9.66		"	10.0		96.6	78-136				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	9.74		"	10.0		97.4	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	9.93		"	10.0		99.3	68-138				
1,1-Dichloropropylene	10.3		"	10.0		103	83-133				
1,2,3-Trichlorobenzene	8.83		"	10.0		88.3	76-136				
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128				
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140				
1,2,4-Trichlorobenzene	9.62		"	10.0		96.2	76-137				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	8.74		"	10.0		87.4	45-147				
1,2-Dibromoethane	9.93		"	10.0		99.3	83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	10.0		"	10.0		100	73-132				
1,2-Dichloropropane	10.0		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122				
1,3-Dichloropropane	10.1		"	10.0		101	81-125				
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124				
2,2-Dichloropropane	8.76		"	10.0		87.6	56-150				
2-Butanone	10.2		"	10.0		102	49-152				
2-Chlorotoluene	11.2		"	10.0		112	79-130				
2-Hexanone	9.51		"	10.0		95.1	51-146				
4-Chlorotoluene	10.8		"	10.0		108	79-128				
4-Methyl-2-pentanone	9.71		"	10.0		97.1	57-145				



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 BE60569 - EPA 5030B											
LCS (BE60569-BS1)								Prepared & Analyzed: 05/11/2016			
Acetone	9.37		ug/L	10.0		93.7	14-150				
Benzene	10.3		"	10.0		103	85-126				
Bromobenzene	11.4		"	10.0		114	78-129				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	9.64		"	10.0		96.4	79-128				
Bromoform	7.74		"	10.0		77.4	78-133	Low Bias			
Bromomethane	8.11		"	10.0		81.1	43-168				
Carbon disulfide	10.6		"	10.0		106	68-146				
Carbon tetrachloride	9.32		"	10.0		93.2	77-141				
Chlorobenzene	9.86		"	10.0		98.6	88-120				
Chloroethane	11.7		"	10.0		117	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	4.45		"	10.0		44.5	43-155				
cis-1,2-Dichloroethylene	9.91		"	10.0		99.1	83-129				
cis-1,3-Dichloropropylene	9.44		"	10.0		94.4	80-131				
Dibromochloromethane	8.60		"	10.0		86.0	80-130				
Dibromomethane	9.82		"	10.0		98.2	72-134				
Dichlorodifluoromethane	8.65		"	10.0		86.5	44-144				
Ethyl Benzene	11.0		"	10.0		110	80-131				
Hexachlorobutadiene	9.17		"	10.0		91.7	67-146				
Isopropylbenzene	10.7		"	10.0		107	76-140				
Methyl tert-butyl ether (MTBE)	9.52		"	10.0		95.2	76-135				
Methylene chloride	9.10		"	10.0		91.0	55-137				
Naphthalene	9.73		"	10.0		97.3	70-147				
n-Butylbenzene	11.9		"	10.0		119	79-132				
n-Propylbenzene	11.2		"	10.0		112	78-133				
o-Xylene	10.1		"	10.0		101	78-130				
p- & m- Xylenes	21.8		"	20.0		109	77-133				
p-Diethylbenzene	11.2		"	10.0		112	84-134				
p-Ethyltoluene	11.1		"	10.0		111	88-129				
p-Isopropyltoluene	11.3		"	10.0		113	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	11.0		"	10.0		110	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	12.2		"	10.0		122	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.10		"	10.0		91.0	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	11.3		"	10.0		113	67-139				
Vinyl Chloride	9.19		"	10.0		91.9	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: Toluene-d8	*9.91*		*"*	*10.0*		*99.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60569 - EPA 5030B											
LCS Dup (BE60569-BSD1)								Prepared & Analyzed: 05/11/2016			
1,1,1,2-Tetrachloroethane	9.75		ug/L	10.0		97.5	82-126		0.824	30	
1,1,1-Trichloroethane	9.52		"	10.0		95.2	78-136		1.46	30	
1,1,2,2-Tetrachloroethane	9.40		"	10.0		94.0	76-129		12.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		2.05	30	
1,1,2-Trichloroethane	9.57		"	10.0		95.7	82-123		1.76	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		0.852	30	
1,1-Dichloroethylene	9.78		"	10.0		97.8	68-138		1.52	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		0.781	30	
1,2,3-Trichlorobenzene	8.73		"	10.0		87.3	76-136		1.14	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		0.185	30	
1,2,4,5-Tetramethylbenzene	10.5		"	10.0		105	85-140		2.80	30	
1,2,4-Trichlorobenzene	9.68		"	10.0		96.8	76-137		0.622	30	
1,2,4-Trimethylbenzene	11.6		"	10.0		116	82-132		1.91	30	
1,2-Dibromo-3-chloropropane	8.60		"	10.0		86.0	45-147		1.61	30	
1,2-Dibromoethane	9.70		"	10.0		97.0	83-124		2.34	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		1.17	30	
1,2-Dichloroethane	9.73		"	10.0		97.3	73-132		2.94	30	
1,2-Dichloropropane	10.0		"	10.0		100	78-126		0.00	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		2.48	30	
1,3-Dichlorobenzene	11.1		"	10.0		111	86-122		2.74	30	
1,3-Dichloropropane	10.0		"	10.0		100	81-125		0.498	30	
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124		1.78	30	
2,2-Dichloropropane	8.43		"	10.0		84.3	56-150		3.84	30	
2-Butanone	10.5		"	10.0		105	49-152		2.81	30	
2-Chlorotoluene	11.5		"	10.0		115	79-130		2.47	30	
2-Hexanone	10.2		"	10.0		102	51-146		7.29	30	
4-Chlorotoluene	11.1		"	10.0		111	79-128		2.74	30	
4-Methyl-2-pentanone	9.41		"	10.0		94.1	57-145		3.14	30	
Acetone	12.0		"	10.0		120	14-150		25.0	30	
Benzene	10.2		"	10.0		102	85-126		1.27	30	
Bromobenzene	11.6		"	10.0		116	78-129		1.39	30	
Bromochloromethane	10.0		"	10.0		100	77-128		1.58	30	
Bromodichloromethane	9.60		"	10.0		96.0	79-128		0.416	30	
Bromoform	7.56		"	10.0		75.6	78-133	Low Bias	2.35	30	
Bromomethane	7.98		"	10.0		79.8	43-168		1.62	30	
Carbon disulfide	10.4		"	10.0		104	68-146		1.71	30	
Carbon tetrachloride	9.13		"	10.0		91.3	77-141		2.06	30	
Chlorobenzene	9.93		"	10.0		99.3	88-120		0.707	30	
Chloroethane	11.6		"	10.0		116	65-136		0.258	30	
Chloroform	10.2		"	10.0		102	82-128		0.391	30	
Chloromethane	4.39		"	10.0		43.9	43-155		1.36	30	
cis-1,2-Dichloroethylene	9.78		"	10.0		97.8	83-129		1.32	30	
cis-1,3-Dichloropropylene	9.46		"	10.0		94.6	80-131		0.212	30	
Dibromochloromethane	8.42		"	10.0		84.2	80-130		2.12	30	
Dibromomethane	9.80		"	10.0		98.0	72-134		0.204	30	
Dichlorodifluoromethane	8.41		"	10.0		84.1	44-144		2.81	30	
Ethyl Benzene	11.1		"	10.0		111	80-131		0.817	30	
Hexachlorobutadiene	9.46		"	10.0		94.6	67-146		3.11	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		1.30	30	
Methyl tert-butyl ether (MTBE)	9.31		"	10.0		93.1	76-135		2.23	30	
Methylene chloride	8.97		"	10.0		89.7	55-137		1.44	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 BE60569 - EPA 5030B											
LCS Dup (BE60569-BSD1)								Prepared & Analyzed: 05/11/2016			
Naphthalene	9.62		ug/L	10.0		96.2	70-147		1.14	30	
n-Butylbenzene	12.1		"	10.0		121	79-132		1.66	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		1.34	30	
o-Xylene	10.3		"	10.0		103	78-130		1.77	30	
p- & m- Xylenes	22.2		"	20.0		111	77-133		1.64	30	
p-Diethylbenzene	11.6		"	10.0		116	84-134		2.98	30	
p-Ethyltoluene	11.4		"	10.0		114	88-129		2.58	30	
p-Isopropyltoluene	11.6		"	10.0		116	81-136		2.10	30	
sec-Butylbenzene	10.5		"	10.0		105	79-137		1.43	30	
Styrene	11.1		"	10.0		111	67-132		1.18	30	
tert-Butylbenzene	10.3		"	10.0		103	77-138		1.27	30	
Tetrachloroethylene	17.8		"	10.0		178	82-131	High Bias	37.6	30	Non-dir.
Toluene	10.6		"	10.0		106	80-127		1.53	30	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132		1.58	30	
trans-1,3-Dichloropropylene	8.99		"	10.0		89.9	78-131		1.22	30	
Trichloroethylene	11.3		"	10.0		113	82-128		9.23	30	
Trichlorofluoromethane	11.0		"	10.0		110	67-139		2.60	30	
Vinyl Chloride	9.08		"	10.0		90.8	58-145		1.20	30	
Surrogate: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*69-130*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60483 - EPA 3510C											
Blank (BE60483-BLK1)											Prepared: 05/10/2016 Analyzed: 05/12/2016
1,2,4-Trichlorobenzene	ND	5.00	ug/L								
1,2-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenanthrene	ND	0.0500	"								



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 BE60483 - EPA 3510C											
Blank (BE60483-BLK1)									Prepared: 05/10/2016 Analyzed: 05/12/2016		
Pyrene	ND	0.0500	ug/L								
Pyridine	ND	5.00	"								
Surrogate: Nitrobenzene-d5	*36.7*		*"*	*50.3*		*72.9*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*35.5*		*"*	*50.0*		*70.9*	*16-84*				
Surrogate: Terphenyl-d14	*28.6*		*"*	*50.3*		*56.8*	*15-106*				
Blank (BE60483-BLK2)									Prepared: 05/10/2016 Analyzed: 05/11/2016		
1,2,4-Trichlorobenzene	ND	5.00	ug/L								
1,2-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60483 - EPA 3510C											
Blank (BE60483-BLK2)								Prepared: 05/10/2016 Analyzed: 05/11/2016			
Naphthalene	ND	0.0500	ug/L								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*50.3*			*12-96*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.0*			*16-84*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.3*			*15-106*				
LCS (BE60483-BS1)								Prepared: 05/10/2016 Analyzed: 05/12/2016			
1,2,4-Trichlorobenzene	49.9	5.00	ug/L	50.0		99.8	35-91	High Bias			
1,2-Dichlorobenzene	39.8	5.00	"	50.0		79.6	42-85				
1,3-Dichlorobenzene	41.1	5.00	"	50.0		82.1	45-80	High Bias			
1,4-Dichlorobenzene	35.9	5.00	"	50.0		71.9	42-82				
2,4-Dinitrotoluene	60.7	5.00	"	50.0		121	41-114	High Bias			
2,6-Dinitrotoluene	50.5	5.00	"	50.0		101	49-106				
2-Chloronaphthalene	42.4	5.00	"	50.0		84.8	40-96				
2-Methylnaphthalene	49.2	5.00	"	50.0		98.4	33-101				
2-Nitroaniline	47.5	5.00	"	50.0		94.9	31-122				
3,3'-Dichlorobenzidine	52.4	5.00	"	50.0		105	25-155				
3-Nitroaniline	46.0	5.00	"	50.0		92.0	29-128				
4-Bromophenyl phenyl ether	42.8	5.00	"	50.0		85.7	38-116				
4-Chloroaniline	38.4	5.00	"	50.0		76.8	10-154				
4-Chlorophenyl phenyl ether	45.3	5.00	"	50.0		90.6	34-112				
4-Nitroaniline	52.9	5.00	"	50.0		106	15-143				
Acenaphthene	44.2	0.0500	"	50.0		88.4	24-114				
Acenaphthylene	38.1	0.0500	"	50.0		76.1	26-112				
Aniline	18.3	5.00	"	50.0		36.6	10-107				
Anthracene	44.6	0.0500	"	50.0		89.2	35-114				
Benzo(a)anthracene	39.1	0.0500	"	50.0		78.2	38-127				
Benzo(a)pyrene	44.8	0.0500	"	50.0		89.5	30-146				
Benzo(b)fluoranthene	45.0	0.0500	"	50.0		89.9	36-145				
Benzo(g,h,i)perylene	21.9	0.0500	"	50.0		43.8	10-163				
Benzo(k)fluoranthene	43.0	0.0500	"	50.0		86.0	16-149				
Benzyl butyl phthalate	38.3	5.00	"	50.0		76.5	28-129				
Bis(2-chloroethoxy)methane	40.2	5.00	"	50.0		80.4	27-112				
Bis(2-chloroethyl)ether	30.8	5.00	"	50.0		61.6	24-114				
Bis(2-chloroisopropyl)ether	33.8	5.00	"	50.0		67.7	21-124				
Bis(2-ethylhexyl)phthalate	31.6	0.500	"	50.0		63.3	10-171				
Carbazole	60.0	5.00	"	50.0		120	49-116	High Bias			
Chrysene	43.6	0.0500	"	50.0		87.1	33-120				
Dibenzo(a,h)anthracene	29.0	0.0500	"	50.0		58.1	10-149				
Dibenzofuran	47.4	5.00	"	50.0		94.9	42-105				
Diethyl phthalate	43.7	5.00	"	50.0		87.4	38-112				
Dimethyl phthalate	47.3	5.00	"	50.0		94.5	49-106				
Di-n-butyl phthalate	38.4	5.00	"	50.0		76.9	36-110				
Di-n-octyl phthalate	40.4	5.00	"	50.0		80.8	12-149				
Fluoranthene	44.0	0.0500	"	50.0		88.0	33-126				
Fluorene	46.7	0.0500	"	50.0		93.4	28-117				



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 BE60483 - EPA 3510C											
LCS (BE60483-BS1)								Prepared: 05/10/2016 Analyzed: 05/12/2016			
Hexachlorobenzene	38.1	0.0200	ug/L	50.0		76.3	27-120				
Hexachlorobutadiene	51.2	0.500	"	50.0		102	25-106				
Hexachlorocyclopentadiene	39.7	5.00	"	50.0		79.5	10-99				
Hexachloroethane	36.2	0.500	"	50.0		72.4	33-84				
Indeno(1,2,3-cd)pyrene	28.0	0.0500	"	50.0		56.0	10-150				
Isophorone	40.7	5.00	"	50.0		81.3	29-115				
Naphthalene	39.6	0.0500	"	50.0		79.3	30-99				
Nitrobenzene	40.4	0.250	"	50.0		80.9	32-113				
N-Nitrosodimethylamine	18.8	0.500	"	50.0		37.7	10-63				
N-nitroso-di-n-propylamine	37.4	5.00	"	50.0		74.7	36-118				
N-Nitrosodiphenylamine	69.0	5.00	"	50.0		138	27-145				
Phenanthrene	45.7	0.0500	"	50.0		91.5	31-112				
Pyrene	43.7	0.0500	"	50.0		87.4	42-125				
Pyridine	ND	5.00	"	50.0			10-46	Low Bias			
Surrogate: Nitrobenzene-d5	*38.7*		*"*	*50.3*		*76.9*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*39.8*		*"*	*50.0*		*79.7*	*16-84*				
Surrogate: Terphenyl-d14	*30.0*		*"*	*50.3*		*59.6*	*15-106*				
LCS (BE60483-BS2)								Prepared: 05/10/2016 Analyzed: 05/11/2016			
1,2,4-Trichlorobenzene	ND	5.00	ug/L				35-91				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
1,4-Dichlorobenzene	ND	5.00	"				42-82				
2,4-Dinitrotoluene	ND	5.00	"				41-114				
2,6-Dinitrotoluene	ND	5.00	"				49-106				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Methylnaphthalene	ND	5.00	"				33-101				
2-Nitroaniline	ND	5.00	"				31-122				
3,3'-Dichlorobenzidine	ND	5.00	"				25-155				
3-Nitroaniline	ND	5.00	"				29-128				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
4-Chloroaniline	ND	5.00	"				10-154				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
4-Nitroaniline	ND	5.00	"				15-143				
Acenaphthene	0.670	0.0500	"	1.00		67.0	24-114				
Acenaphthylene	0.850	0.0500	"	1.00		85.0	26-112				
Aniline	ND	5.00	"				10-107				
Anthracene	0.540	0.0500	"	1.00		54.0	35-114				
Benzo(a)anthracene	1.03	0.0500	"	1.00		103	38-127				
Benzo(a)pyrene	0.650	0.0500	"	1.00		65.0	30-146				
Benzo(b)fluoranthene	0.910	0.0500	"	1.00		91.0	36-145				
Benzo(g,h,i)perylene	0.700	0.0500	"	1.00		70.0	10-163				
Benzo(k)fluoranthene	0.740	0.0500	"	1.00		74.0	16-149				
Benzyl butyl phthalate	ND	5.00	"				28-129				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Carbazole	ND	5.00	"				49-116				
Chrysene	0.620	0.0500	"	1.00		62.0	33-120				
Dibenzo(a,h)anthracene	0.760	0.0500	"	1.00		76.0	10-149				
Dibenzofuran	ND	5.00	"				42-105				

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 BE60483 - EPA 3510C											
LCS (BE60483-BS2)							Prepared: 05/10/2016 Analyzed: 05/11/2016				
Diethyl phthalate	ND	5.00	ug/L				38-112				
Dimethyl phthalate	ND	5.00	"				49-106				
Di-n-butyl phthalate	ND	5.00	"				36-110				
Di-n-octyl phthalate	ND	5.00	"				12-149				
Fluoranthene	0.820	0.0500	"	1.00		82.0	33-126				
Fluorene	0.960	0.0500	"	1.00		96.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	0.830	0.0500	"	1.00		83.0	10-150				
Isophorone	ND	5.00	"				29-115				
Naphthalene	0.690	0.0500	"	1.00		69.0	30-99				
Nitrobenzene	ND	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Phenanthrene	0.990	0.0500	"	1.00		99.0	31-112				
Pyrene	0.830	0.0500	"	1.00		83.0	42-125				
Pyridine	ND	5.00	"				10-46				
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*50.3*			*12-96*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.0*			*16-84*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.3*			*15-106*				
LCS Dup (BE60483-BSD1)							Prepared: 05/10/2016 Analyzed: 05/12/2016				
1,2,4-Trichlorobenzene	50.8	5.00	ug/L	50.0		102	35-91	High Bias	1.71	20	
1,2-Dichlorobenzene	40.2	5.00	"	50.0		80.4	42-85		0.975	20	
1,3-Dichlorobenzene	40.4	5.00	"	50.0		80.8	45-80	High Bias	1.64	20	
1,4-Dichlorobenzene	37.0	5.00	"	50.0		74.1	42-82		3.07	20	
2,4-Dinitrotoluene	59.6	5.00	"	50.0		119	41-114	High Bias	1.80	20	
2,6-Dinitrotoluene	50.1	5.00	"	50.0		100	49-106		0.756	20	
2-Chloronaphthalene	43.7	5.00	"	50.0		87.4	40-96		3.04	20	
2-Methylnaphthalene	50.2	5.00	"	50.0		100	33-101		1.97	20	
2-Nitroaniline	47.4	5.00	"	50.0		94.9	31-122		0.0632	20	
3,3'-Dichlorobenzidine	48.2	5.00	"	50.0		96.3	25-155		8.51	20	
3-Nitroaniline	46.4	5.00	"	50.0		92.8	29-128		0.866	20	
4-Bromophenyl phenyl ether	43.4	5.00	"	50.0		86.8	38-116		1.32	20	
4-Chloroaniline	38.7	5.00	"	50.0		77.5	10-154		0.882	20	
4-Chlorophenyl phenyl ether	45.1	5.00	"	50.0		90.2	34-112		0.487	20	
4-Nitroaniline	51.4	5.00	"	50.0		103	15-143		2.95	20	
Acenaphthene	45.0	0.0500	"	50.0		90.0	24-114		1.79	20	
Acenaphthylene	39.1	0.0500	"	50.0		78.3	26-112		2.77	20	
Aniline	20.1	5.00	"	50.0		40.2	10-107		9.27	20	
Anthracene	44.8	0.0500	"	50.0		89.7	35-114		0.470	20	
Benzo(a)anthracene	34.5	0.0500	"	50.0		68.9	38-127		12.6	20	
Benzo(a)pyrene	46.6	0.0500	"	50.0		93.3	30-146		4.11	20	
Benzo(b)fluoranthene	43.6	0.0500	"	50.0		87.2	36-145		3.05	20	
Benzo(g,h,i)perylene	27.1	0.0500	"	50.0		54.2	10-163		21.1	20	Non-dir.
Benzo(k)fluoranthene	46.1	0.0500	"	50.0		92.2	16-149		6.98	20	
Benzyl butyl phthalate	33.9	5.00	"	50.0		67.8	28-129		12.1	20	
Bis(2-chloroethoxy)methane	40.2	5.00	"	50.0		80.4	27-112		0.0746	20	
Bis(2-chloroethyl)ether	31.7	5.00	"	50.0		63.4	24-114		2.88	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60483 - EPA 3510C											
LCS Dup (BE60483-BSD1)								Prepared: 05/10/2016 Analyzed: 05/12/2016			
Bis(2-chloroisopropyl)ether	34.5	5.00	ug/L	50.0		69.1	21-124		2.05	20	
Bis(2-ethylhexyl)phthalate	30.7	0.500	"	50.0		61.3	10-171		3.18	20	
Carbazole	58.6	5.00	"	50.0		117	49-116	High Bias	2.31	20	
Chrysene	44.9	0.0500	"	50.0		89.8	33-120		3.03	20	
Dibenzo(a,h)anthracene	34.4	0.0500	"	50.0		68.9	10-149		17.0	20	
Dibenzofuran	47.4	5.00	"	50.0		94.7	42-105		0.190	20	
Diethyl phthalate	43.5	5.00	"	50.0		87.0	38-112		0.482	20	
Dimethyl phthalate	47.5	5.00	"	50.0		95.0	49-106		0.485	20	
Di-n-butyl phthalate	37.3	5.00	"	50.0		74.6	36-110		2.98	20	
Di-n-octyl phthalate	43.6	5.00	"	50.0		87.3	12-149		7.66	20	
Fluoranthene	41.0	0.0500	"	50.0		81.9	33-126		7.15	20	
Fluorene	45.8	0.0500	"	50.0		91.7	28-117		1.88	20	
Hexachlorobenzene	38.7	0.0200	"	50.0		77.3	27-120		1.38	20	
Hexachlorobutadiene	52.5	0.500	"	50.0		105	25-106		2.68	20	
Hexachlorocyclopentadiene	40.8	5.00	"	50.0		81.7	10-99		2.71	20	
Hexachloroethane	37.0	0.500	"	50.0		73.9	33-84		2.11	20	
Indeno(1,2,3-cd)pyrene	34.4	0.0500	"	50.0		68.8	10-150		20.4	20	Non-dir.
Isophorone	40.1	5.00	"	50.0		80.2	29-115		1.39	20	
Naphthalene	41.1	0.0500	"	50.0		82.3	30-99		3.69	20	
Nitrobenzene	41.6	0.250	"	50.0		83.1	32-113		2.73	20	
N-Nitrosodimethylamine	18.9	0.500	"	50.0		37.8	10-63		0.477	20	
N-nitroso-di-n-propylamine	37.3	5.00	"	50.0		74.6	36-118		0.134	20	
N-Nitrosodiphenylamine	65.3	5.00	"	50.0		131	27-145		5.44	20	
Phenanthrene	45.8	0.0500	"	50.0		91.6	31-112		0.175	20	
Pyrene	41.1	0.0500	"	50.0		82.3	42-125		6.08	20	
Pyridine	4.95	5.00	"	50.0		9.90	10-46	Low Bias	70.1	20	Non-dir.
Surrogate: Nitrobenzene-d5	*39.0*		*"*	*50.3*		*77.6*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*39.6*		*"*	*50.0*		*79.3*	*16-84*				
Surrogate: Terphenyl-d14	*26.8*		*"*	*50.3*		*53.2*	*15-106*				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60578 - EPA SW846-3510C Low Level											
Blank (BE60578-BLK1)								Prepared & Analyzed: 05/12/2016			
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Tetrachloro-m-xylene	*0.101*		*"*	*0.200*		*50.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.105*		*"*	*0.200*		*52.7*	*30-120*				
LCS (BE60578-BS1)								Prepared & Analyzed: 05/12/2016			
4,4'-DDD	0.0709	0.00400	ug/L	0.100		70.9	40-120				
4,4'-DDE	0.0796	0.00400	"	0.100		79.6	40-120				
4,4'-DDT	0.0577	0.00400	"	0.100		57.7	40-120				
Aldrin	0.0557	0.00400	"	0.100		55.7	40-120				
alpha-BHC	0.0591	0.00400	"	0.100		59.1	40-120				
alpha-Chlordane	0.0633	0.00400	"	0.100		63.3	40-120				
beta-BHC	0.0658	0.00400	"	0.100		65.8	40-120				
delta-BHC	0.0407	0.00400	"	0.100		40.7	40-120				
Dieldrin	0.0625	0.00200	"	0.100		62.5	40-120				
Endosulfan I	0.0602	0.00400	"	0.100		60.2	40-120				
Endosulfan II	0.0610	0.00400	"	0.100		61.0	40-120				
Endosulfan sulfate	0.0460	0.00400	"	0.100		46.0	40-120				
Endrin	0.0683	0.00400	"	0.100		68.3	40-120				
Endrin aldehyde	0.0621	0.0100	"	0.100		62.1	40-120				
Endrin ketone	0.0656	0.0100	"	0.100		65.6	40-120				
gamma-BHC (Lindane)	0.0622	0.00400	"	0.100		62.2	40-120				
gamma-Chlordane	0.0606	0.0100	"	0.100		60.6	40-120				
Heptachlor	0.0562	0.00400	"	0.100		56.2	40-120				
Heptachlor epoxide	0.0661	0.00400	"	0.100		66.1	40-120				
Methoxychlor	0.0653	0.00400	"	0.100		65.3	40-120				
Surrogate: Tetrachloro-m-xylene	*0.114*		*"*	*0.200*		*56.9*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.125*		*"*	*0.200*		*62.3*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60578 - EPA SW846-3510C Low Level											
LCS Dup (BE60578-BSD1)								Prepared & Analyzed: 05/12/2016			
4,4'-DDD	0.0679	0.00400	ug/L	0.100		67.9	40-120		4.25	30	
4,4'-DDE	0.0756	0.00400	"	0.100		75.6	40-120		5.04	30	
4,4'-DDT	0.0545	0.00400	"	0.100		54.5	40-120		5.65	30	
Aldrin	0.0549	0.00400	"	0.100		54.9	40-120		1.50	30	
alpha-BHC	0.0583	0.00400	"	0.100		58.3	40-120		1.34	30	
alpha-Chlordane	0.0625	0.00400	"	0.100		62.5	40-120		1.37	30	
beta-BHC	0.0676	0.00400	"	0.100		67.6	40-120		2.73	30	
delta-BHC	0.0407	0.00400	"	0.100		40.7	40-120		0.0884	30	
Dieldrin	0.0617	0.00200	"	0.100		61.7	40-120		1.27	30	
Endosulfan I	0.0579	0.00400	"	0.100		57.9	40-120		3.87	30	
Endosulfan II	0.0592	0.00400	"	0.100		59.2	40-120		2.94	30	
Endosulfan sulfate	0.0413	0.00400	"	0.100		41.3	40-120		10.8	30	
Endrin	0.0665	0.00400	"	0.100		66.5	40-120		2.71	30	
Endrin aldehyde	0.0597	0.0100	"	0.100		59.7	40-120		3.92	30	
Endrin ketone	0.0601	0.0100	"	0.100		60.1	40-120		8.86	30	
gamma-BHC (Lindane)	0.0627	0.00400	"	0.100		62.7	40-120		0.753	30	
gamma-Chlordane	0.0593	0.0100	"	0.100		59.3	40-120		2.13	30	
Heptachlor	0.0560	0.00400	"	0.100		56.0	40-120		0.494	30	
Heptachlor epoxide	0.0662	0.00400	"	0.100		66.2	40-120		0.139	30	
Methoxychlor	0.0600	0.00400	"	0.100		60.0	40-120		8.45	30	
Surrogate: Tetrachloro-m-xylene	*0.117*		*"*	*0.200*		*58.3*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.104*		*"*	*0.200*		*51.9*	*30-120*				
Batch Y6E1316 - BE60578											
Performance Mix (Y6E1316-PEM1)								Prepared & Analyzed: 05/12/2016			
4,4'-DDD	0.670		ng/mL	0.00			0-200				
4,4'-DDE	0.438		"	0.00			0-200				
4,4'-DDT	173		"	200		86.3	0-200				
Endrin	123		"	100		123	0-200				
Endrin aldehyde	0.443		"	0.00			0-200				
Endrin ketone	5.05		"	0.00			0-200				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y6E1316 - BE60578											
Performance Mix (Y6E1316-PEM2)							Prepared & Analyzed: 05/12/2016				
4,4'-DDD	4.84		ng/mL	0.00			0-200				
4,4'-DDE	0.450		"	0.00			0-200				
4,4'-DDT	124		"	200		61.9	0-200				
Endrin	90.7		"	100		90.7	0-200				
Endrin aldehyde	0.953		"	0.00			0-200				
Endrin ketone	9.15		"	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 BE60578 - EPA SW846-3510C Low Level											
Blank (BE60578-BLK2)								Prepared & Analyzed: 05/12/2016			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.0980*		*"*	*0.200*		*49.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.158*		*"*	*0.200*		*79.0*	*30-120*				
LCS (BE60578-BS2)								Prepared & Analyzed: 05/12/2016			
Aroclor 1016	0.561	0.0500	ug/L	1.00		56.1	40-120				
Aroclor 1260	0.662	0.0500	"	1.00		66.2	40-120				
Surrogate: Tetrachloro-m-xylene	*0.0800*		*"*	*0.200*		*40.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.145*		*"*	*0.200*		*72.5*	*30-120*				
LCS Dup (BE60578-BSD2)								Prepared & Analyzed: 05/12/2016			
Aroclor 1016	0.566	0.0500	ug/L	1.00		56.6	40-120		1.03	30	
Aroclor 1260	0.639	0.0500	"	1.00		63.9	40-120		3.51	30	
Surrogate: Tetrachloro-m-xylene	*0.0840*		*"*	*0.200*		*42.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.150*		*"*	*0.200*		*75.0*	*30-120*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60462 - EPA 3015A											
Blank (BE60462-BLK1)											Prepared & Analyzed: 05/10/2016
Aluminum - Dissolved	ND	0.050	mg/L								
Antimony - Dissolved	ND	0.005	"								
Arsenic - Dissolved	ND	0.004	"								
Barium - Dissolved	ND	0.010	"								
Beryllium - Dissolved	ND	0.001	"								
Cadmium - Dissolved	ND	0.003	"								
Calcium - Dissolved	ND	0.050	"								
Chromium - Dissolved	ND	0.005	"								
Cobalt - Dissolved	ND	0.005	"								
Copper - Dissolved	ND	0.003	"								
Iron - Dissolved	ND	0.020	"								
Lead - Dissolved	ND	0.003	"								
Magnesium - Dissolved	ND	0.050	"								
Manganese - Dissolved	ND	0.005	"								
Nickel - Dissolved	ND	0.005	"								
Potassium - Dissolved	ND	0.050	"								
Selenium - Dissolved	ND	0.010	"								
Silver - Dissolved	ND	0.005	"								
Sodium - Dissolved	ND	0.100	"								
Thallium - Dissolved	ND	0.005	"								
Vanadium - Dissolved	ND	0.010	"								
Zinc - Dissolved	ND	0.010	"								
Reference (BE60462-SRM1)											Prepared & Analyzed: 05/10/2016
Aluminum - Dissolved	0.557		ug/mL	0.480		116	79.1-121.5				
Antimony - Dissolved	0.318		"	0.360		88.4	79.1-117.5				
Arsenic - Dissolved	0.679		"	0.720		94.2	84.5-114.1				
Barium - Dissolved	0.378		"	0.400		94.5	85-115				
Beryllium - Dissolved	0.146		"	0.160		91.4	85-115				
Cadmium - Dissolved	0.398		"	0.440		90.5	85-115				
Calcium - Dissolved	100		"	107		93.6	86-114				
Chromium - Dissolved	0.206		"	0.220		93.8	85-115				
Cobalt - Dissolved	0.508		"	0.540		94.1	85-115				
Copper - Dissolved	0.775		"	0.760		102	85-115				
Iron - Dissolved	0.885		"	0.900		98.4	85-115				
Lead - Dissolved	0.795		"	0.840		94.6	85-115				
Magnesium - Dissolved	16.9		"	17.9		94.2	86-114				
Manganese - Dissolved	1.14		"	1.20		94.6	85-115				
Nickel - Dissolved	0.554		"	0.600		92.3	87.5-113.3				
Potassium - Dissolved	28.1		"	29.1		96.5	84.9-115				
Selenium - Dissolved	0.669		"	0.720		92.9	85-115				
Silver - Dissolved	0.735		"	0.829		88.7	85-114.9				
Sodium - Dissolved	95.0		"	99.8		95.2	85-115				
Thallium - Dissolved	0.627		"	0.679		92.3	82.9-115.4				
Vanadium - Dissolved	0.205		"	0.220		93.0	85-115				
Zinc - Dissolved	0.536		"	0.580		92.5	85-115				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60464 - EPA 3015A											
Blank (BE60464-BLK1)											Prepared & Analyzed: 05/10/2016
Aluminum	ND	0.050	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								
Reference (BE60464-SRM1)											Prepared & Analyzed: 05/10/2016
Aluminum	0.518		ug/mL	0.480		108	79.1-121.5				
Antimony	0.320		"	0.360		89.0	79.1-117.5				
Arsenic	0.687		"	0.720		95.4	84.5-114.1				
Barium	0.382		"	0.400		95.5	85-115				
Beryllium	0.148		"	0.160		92.2	85-115				
Cadmium	0.401		"	0.440		91.1	85-115				
Calcium	99.6		"	107		93.1	86-114				
Chromium	0.208		"	0.220		94.5	85-115				
Cobalt	0.515		"	0.540		95.3	85-115				
Copper	0.776		"	0.760		102	85-115				
Iron	0.875		"	0.900		97.2	85-115				
Lead	0.806		"	0.840		96.0	85-115				
Magnesium	17.1		"	17.9		95.5	86-114				
Manganese	1.15		"	1.20		95.7	85-115				
Nickel	0.553		"	0.600		92.1	87.5-113.3				
Potassium	28.3		"	29.1		97.2	84.9-115				
Selenium	0.678		"	0.720		94.2	85-115				
Silver	0.741		"	0.829		89.4	85-114.9				
Sodium	96.4		"	99.8		96.6	85-115				
Thallium	0.632		"	0.679		93.1	82.9-115.4				
Vanadium	0.206		"	0.220		93.5	85-115				
Zinc	0.535		"	0.580		92.3	85-115				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE60438 - EPA 7473 water											
Blank (BE60438-BLK1)											Prepared & Analyzed: 05/10/2016
Mercury - Dissolved	ND	0.00020	mg/L								
Mercury	ND	0.00020	"								
Reference (BE60438-SRM1)											Prepared & Analyzed: 05/10/2016
Mercury - Dissolved	0.0020134		mg/L	0.00230		87.5	61.3-135				
Mercury	0.00201		mg/kg	0.00230		87.5	61.3-135				

Wet Chemistry 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 BE60432 - Analysis Preparation											
Blank (BE60432-BLK1)								Prepared & Analyzed: 05/09/2016			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BE60432-BS1)								Prepared & Analyzed: 05/09/2016			
Chromium, Hexavalent	0.480	0.0100	mg/L	0.500		96.0	80-120				
Duplicate (BE60432-DUP1)	*Source sample: 16E0327-05 (FB-1)							Prepared & Analyzed: 05/09/2016			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BE60432-MS1)	*Source sample: 16E0327-05 (FB-1)							Prepared & Analyzed: 05/09/2016			
Chromium, Hexavalent	0.493	0.0100	mg/L	0.500	ND	98.6	75-125				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16E0327-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16E0327-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16E0327-03	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16E0327-04	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16E0327-05	FB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK ANALYTICAL LABORATORIES INC
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. 16E0327

YOUR Information

Company: Hydro Tech Env.
Address: 77 Arkay Drive, Suite G
Hauppauge, NY 11788
Phone No. 631 462 5866
Contact Person: Erica Johnston
E-Mail Address: EJohnston@hydrotechenvironmental.com

Report To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: Hydro Tech Env.
Address: 77 Arkay Drive, Suite G
Hauppauge, NY 11788
Phone No. 631-462 5866
Attention: Mushma Ward
E-Mail Address: MWard@hydrotechenvironmental.com

YOUR Project ID

160094 - 542 West 24th St
New York - NY

Purchase Order No.

8301

Samples from: CT ___ NY X 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):
NYSDEC Part 375 Unrestricted SCO/Restricted SCO Commercial

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.

AZ
Samples Collected/Authorized By (Signature)

Adriana Zapata A.
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)
MW-1	05-07-16 / 10:30	GW	8260, 8270BN, 8081/8082 TAL Metals (Filtered & Unfiltered) Cr+6/Cr+3.	(3) 1L Amber Jars + (2) Plastic bottles (3) 40ml vials
MW-2	↓	↓	↓	↓
MW-3	↓	↓	↓	↓
1 Trip Blank	05-07-2016	DI Water.	8260	(2) 40 ml vials.
FB-1	5/7/16	DI water		

Comments

E Designation

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: KBah 5/9/16 — Date/Time: 5/9/16 1210 pm
Samples Relinquished By: KBah 5/9/16 — Date/Time:

Samples Received By: KBah — Date/Time: 5/9/16 1210pm
Samples Received in LAB by: TC Yuhla — Date/Time: 5/9/16 1751

Temperature on Receipt 3.6 °C