

172-02 HILLSIDE AVENUE

QUEENS NEW YORK, 11432

Remedial Investigation Report

NYC OER Site Number: 15EH-N502Q

Prepared for:

Ben Kaftari

172 St. LLC

172-02 Hillside Ave, Queens, NY

Phone # 516-770-1994

Prepared by:

Elemental Environments LLC.

2 Lakeview Ave, Suite 1-D

Piscataway, NJ 08854

Phone # 732-624-9998

October 3rd 2018

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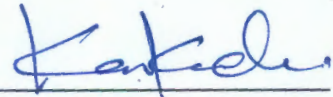
Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	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, Kartik Chanda, 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 172-02 Hillside Avenue site, (NYC OER Site Number: 15EH-N502Q). 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.

KARTIK CHANDA, P.E.

10/03/2018



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 172-02 Hillside Ave in the Jamaica section of Queens, New York and is identified as Block 9829 and Lot 37 on the New York City Tax Map. The Site is 6,648-square feet and is bounded by Hillside Ave with underground MTA to the north, residential buildings to the south, adjacent laundromat to the east, and 172 Street to the west beyond which is a one-story to two-story commercial property occupied by Bar Restaurant , Deli and carwash . Currently, the Site is improved with a one-story vacant slab-on-grade commercial building occupying approximately one quarter of the lot on the southeast section of the Site with the remainder of the property consisting of an asphalt paved parking lot. The Site was most recently used as a parking lot for excess inventory for a nearby used car dealership. The Site is 6,648 square feet (95.26' by 68' by 95.11' by 71.80') with frontage of 95 feet along Hillside Avenue and 76 feet along 172nd Street.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of new nine (9) story, 50 unit mixed-use building with two full sub-grade levels. The building footprint will encompass approximately 5700 square feet and the concrete capped rear yard/open parking above the cellar level is not proposed as per Architect. Total gross built area will be 57,750 square feet with roughly 6,410 square feet counting towards community space and 4,410 square feet for commercial retail. The first floor will consist of 5000 sq. ft and the second floor of 5465 sq. ft with the remaining floors consisting of the residential units. The cellar level will consist of 4733 sq. ft and the sub-cellar level of 5600 sf..

The two (2) cellar levels will encompass the entire site with a total depth of approximately 20 feet below existing ground surface and foundation will include underpinning, shoring and footings without any need for pile foundation. The proposed construction will require excavation to 20 feet

below grade across the entire site with additional excavation to 24 feet within the elevator pit area. Groundwater is not expected to be encountered during the proposed excavation as groundwater was noted at 53 feet bgs during the Remedial Investigation.

The current zoning designation is R7X and C2-4, Residential District with Commercial District Overlay . The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based upon the review the Phase I Environmental Site Assessment (ESA) Report prepared by Airtek Environmental Corp in May 2015, a Site history was established. According to the of the Sanborn Fire Insurance Maps and Regulatory Agency documents, the Site was originally developed with three (3) one-story adjoining structures, each labeled as Oil, S. (store) and A (garage), located in the central west portion of the lot in 1926. The current one-story structure was constructed circa 1940 and was used as a gas service station (from circa 1939 through 1991), auto service station, auto laundry, and used car sales in the past. The building had been vacant since 2015 and the asphalt parking lot was used for excess inventory for a nearby used car dealership when the Phase I ESA site inspection was conducted on May 6, 2015.

Fire insurance maps dating from 1951 through 2006 depicted the Site as a Filling Station. Four gasoline underground storage tanks labeled as G.T.s were depicted in these fire insurance maps. In addition, two G.T.s were depicted in the 1926 fire insurance map at the Site. Ground penetration radar (GPR) conducted during July 5th, 2018 didn't identify any scans that signature anomalies of an UST on the property.

Fire insurance maps dating from 1981 through 2006 depicted a dry-cleaning facility on the west adjacent property at 171-16A Hillside Avenue and 87-60 172nd Street.

Surrounding properties were listed in the city directories dating from 1939 to 2013 as a number of individual names, indicating residential use. A number of commercial facilities were listed on the north, east and west adjoining properties and included fitness center, dental care, medical services, realty offices, towing, locksmith, auto sales, hairdresser supplies, car wash, grocery, drug store. In addition, a dry-cleaning facility, known as Varsity Cleaners, was listed in the city directories dated 1962 and 1967 at 172-16 Hillside Avenue, the east adjoining property. Another

dry-cleaning facility, known as Bell Air Inc Cleaners, was listed in the city directories dating from 1970 through 1991 at 171-16 Hillside Avenue, the west adjacent property.

The AOCs identified for this site include:

- The historical use of the property as an auto filling station and auto laundry;
- The presence of urban soil/fill material;
- The presence of historical gasoline USTs related to the operation of the site as an auto filling station; and
- The historical use of surrounding properties as a dry-cleaning facility.

Summary of the Work Performed under the Remedial Investigation

Elemental performed the following scope of work at the Site in July 2018:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed five (5) soil borings across the entire project Site, and collected fourteen (14) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three (3) temporary groundwater monitoring wells throughout the Site to establish groundwater flow and collected three (3) groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five (5) soil vapor probes around Site perimeter and collected five (5) samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property from first floor datum is approximately 77.25 feet
2. Depth to groundwater ranges from 53.31 to 53.55 feet at the Site.
3. Groundwater flow is generally westerly to northwesterly beneath the Site.
4. Bedrock was not encountered during this RI at site.

5. The stratigraphy of the site, from the surface down, consists of approximately 12.5 feet of fill material composed of asphalt and concrete sand underlain by native sand with varying amount of gravel and silt.
6. Soil/fill samples collected during the RI were compared to the NYSDEC 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (SCOs) as well as to Restricted Residential Use SCOs. Soil sampling results showed trace concentrations of volatile organic compounds (VOCs), but only acetone (max 0.08 mg/kg) and n-propylbenzene (max 7.3 mg/kg) were detected above Unrestricted Use SCOs in one deep sample. Acetone is a common laboratory artifact. Several semi-volatile organic compounds (SVOCs) were detected at trace concentrations but none exceeding Unrestricted Use SCOs. One pesticide, 4,4'-DDT (0.0035 mg/kg) was detected in one shallow sample exceeding Unrestricted Use SCOs. No PCBs were detected in any samples. Four metals including copper (max 59.2 mg/kg), lead (max 238 mg/kg), mercury (max 0.181 mg/kg) and zinc (max 162 mg/kg) were detected above Unrestricted Use SCOs in shallow samples.
7. Groundwater samples collected during the RI were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during the investigations showed no PCBs or pesticides in any sample. The VOCs, cis-1,2-Dichloroethylene (max 6.9 µg/L), n-propylbenzene (max 10 µg/L), xylenes (max 10 µg/L), and PCE (max 170 µg/L) were detected exceeding their respective GQS. One SVOC, benz(a)anthracene (0.0571 µg/L) was detected above its GQS. Three dissolved metals including magnesium (max 58,400 µg/L), manganese (max 5,250 µg/L) and sodium (max 368,000 µg/L) were detected in groundwater samples at concentrations exceeding their respective GQS.
8. Soil vapor samples collected during the RI were compared to New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (May 2017) Matrix A, B, and C guidance values. Soil vapor results showed a range of petroleum related VOCs (BTEX and their associated derivatives) in all soil vapor samples. The total concentration of BTEX compounds ranged from 94 µg/m³ to 202 µg/m³. Other elevated petroleum compounds included n-heptane (max 98,000 µg/m³), n-hexane (max 150,000 µg/m³) and

cyclohexane (max 9,300 $\mu\text{g}/\text{m}^3$). Among the detected chlorinated VOCs, tetrachloroethene (PCE) was detected in all samples between 5 $\mu\text{g}/\text{m}^3$ and 130 $\mu\text{g}/\text{m}^3$, 1,1,1-trichloroethane (1,1,1-TCA) was detected at a max of 4.6 $\mu\text{g}/\text{m}^3$ and carbon tetrachloride at a max of 2.4 $\mu\text{g}/\text{m}^3$. Trichloroethene (TCE) was not detected in any soil vapor samples. Based on the Soil Vapor/Indoor Air Matrix established by NYSDOH, the concentrations of PCE, TCA, and carbon tetrachloride were below the mitigation level.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Mr. Ben Kaftari of 172 Street LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.16 acre site located in the Jamaica section of Queens, New York and is identified as Block 9829 and Lot 37. Mixed commercial residential use is proposed for the property. The RI work was performed between 7/27/2018 and 7/28/2018. 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 172-02 Hillside Ave in the Jamaica section of Queens, New York and is identified as Block 9829 and Lot 37 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 6,648 square feet and is bounded by Hillside Ave with underground MTA to the north, residential buildings to the south, adjacent laundromat to the east, and 172 Street to the west beyond which is a one-story to two-story commercial property occupied by Bar Restaurant, Deli and carwash. A map of the site boundary is shown in Figure 2. Currently, the Site is improved with a one-story vacant slab-on-grade commercial building occupying approximately one quarter of the lot on the southeast section of the Site with the remainder of the property consisting of an asphalt paved parking lot. The Site was most recently used as a parking lot for excess inventory for a nearby used car dealership. The Site is 6,648 square feet (95.26' by 68' by 95.11' by 71.80') with frontage of 95 feet along Hillside Avenue and 76 feet along 172nd Street.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of new nine (9) story, 50 unit mixed-use building with two full sub-grade levels. The building footprint will encompass approximately 5700 square feet and the concrete capped rear yard/open parking above the cellar level is not proposed as per the Architect Frank Denner. Total gross built area will be 57,750 square feet with roughly

6,410 square feet counting towards community space and 4,410 square feet for commercial retail. The first floor will consist of 5000 Sq. ft and the second floor of 5465 sq. ft with the remaining floors consisting of the residential units. The cellar level will consist of 4733 sq. ft and the sub-cellar level of 5600 sq. ft

The two (2) cellar levels will encompass the entire site with a total depth of approximately 20 feet below existing ground surface and foundation will include underpinning, shoring and footings without any need for pile foundation. The proposed construction will require excavation to 20 feet below grade across the entire site with additional excavation to 24 feet within the elevator pit area. Groundwater is not expected to be encountered during the proposed excavation as groundwater was noted at 53 feet bgs during the Remedial Investigation.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is R7X and C2-4, Residential District with Commercial District Overlay. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The Site is located in a primarily residential and commercial area. Hillside Avenue defines the northern boundary of the Site beyond which there is a furniture and a pet land retail store. A one-story commercial building occupied by a laundromat which appears to have a drop-off dry cleaning facility and two beauty salons are located east side of the subject property at 172-12 Hillside Avenue. The adjacent and surrounding properties towards the west and south have historically been used for residential and commercial purposes. No sensitive receptors such as hospitals, day cares or schools are located within a 500-foot radius of the Site.

Figure 2 shows the surrounding land usage

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon the review the Phase I Environmental Site Assessment (ESA) Report prepared by Airtek Environmental Corp in May 2015, a Site history was established. According to the of the Sanborn Fire Insurance Maps and Regulatory Agency documents, the Site was originally developed with three (3) one-story adjoining structures, each labeled as Oil, S. (store) and A (garage), located in the central west portion of the lot in 1926. The current one-story structure was constructed circa 1940 and was used as a gas service station (from circa 1939 through 1991), auto service station, auto laundry, and used car sales in the past. The building had been vacant since 2015 and the asphalt parking lot was used for excess inventory for a nearby used car dealership when the Phase I ESA site inspection was conducted on May 6, 2015.

Fire insurance maps dating from 1951 through 2006 depicted the Site as a Filling Station. Four gasoline underground storage tanks labeled as G.T.s were depicted in these fire insurance maps. In addition, two G.T.s were depicted in the 1926 fire insurance map at the Site. Ground penetration radar (GPR) conducted during July 5th, 2018 didn't identify any scans that signature anomalies of an UST on the property.

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Surrounding properties were listed in the city directories dating from 1939 to 2013 as a number of individual names, indicating residential use. A number of commercial facilities were listed on the north, east and west adjoining properties and included fitness central, dental care, medical services, realty offices, towing, locksmith, auto sales, hairdresser supplies, car wash, grocery, drug store. In addition, a dry-cleaning facility, known as Varsity Cleaners, was listed in the city directories dated 1962 and 1967 at 172-16 Hillside Avenue, the east adjoining property. Another dry-cleaning facility, known as Bell Air Inc Cleaners, was listed in the city directories dating from 1970 through 1991 at 171-16 Hillside Avenue, the west adjacent property..

The AOCs identified for this site include:

- The historical use of the property as an auto filling station and auto laundry;
- The presence of urban soil/fill material;
- The presence of historical gasoline USTs related to the operation of the site as an auto filling station; and
- The historical use of surrounding properties as a dry-cleaning facility.

2.2 Previous Investigations

Previous investigations performed at the Site include the following:

- Phase I Environmental Site Assessment, May 2015, Airtek Environmental Corp.

A GPR was conducted prior to subsurface exploration onsite (attached in Appendix B). No anomalies related to possible UST was identified; however, a sump pump in the former garage area leading via drain to an anomalous area was located. This sump and anomaly were marked and explored as boring location SB-1 and SB-3 during field activities.

2.3 Site Inspection

Prior to the RI, a site inspection was conducted on July 5th, 2018 by a QEP Mr. Karthik Chanda, PE and Field Engineer Mr. Vikas Sharma. The Site was improved with a one-story vacant commercial building on the southeast section of the Site. The building consists of an indoor car garage (former) on the eastern section of the building and an office space divided into three sections on the west side of the garage. The largest office space is located adjacent to the indoor car garage on the west. Two smaller office spaces are located further west to the large office space. A restroom accessible from outside the building is located in the southwest section of the building. The remaining space on the Site was used as a parking lot for excess inventory for a nearby used car dealership. The parking lot is asphalt paved with the exception of the southwest portion where a Geotech boring testing was conducted in recent years for the construction of a new building, according to Mr. Kaftari. The subject building was accessible from Hillside Avenue and 172nd Street. A metal fence enclosed the perimeter of the Site along the northern and western boundaries.

2.4 Areas of Concern

The AOCs identified for this site include:

- The historical use of the property as an auto filling station and auto laundry;
- The presence of urban soil/fill material;
- The presence of historical gasoline USTs related to the operation of the site as an auto filling station; and
- The historical use of surrounding properties as a dry-cleaning facility.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Kartik Chanda, PE. Remedial Investigation and field sampling was conducted by Vikas Sharma, MS, of *Elemental Environments llc*.

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

Elemental performed the following scope of work at the Site in July 2018:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed five (5) soil borings across the entire project Site, and collected fourteen (14) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three (3) temporary groundwater monitoring wells throughout the Site to establish groundwater flow and collected three (3) groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five (5) soil vapor probes around Site perimeter and collected five (5) samples for chemical analysis.

4.1 Geophysical Investigation

A Geophysical Investigation by American Geophysics Inc. was conducted on 7/5/2018 to confirm any anomalies related to USTs or buried metal objects. Boring locations were cleared out by GPR for safe subsurface exploration. A sump inside the former garage area with a drain leading to possible drywell type anomaly was noted. Hence soil boring locations SB-1 and SB-3 were moved to explore these anomalies. All the subsurface exploration locations were assessed based on GPR anomalies and professional judgment. See attached GPR report in Appendix B.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of 5 soil borings were completed by Drilling and Probing Services (DPS) of New Jersey, using a direct-push Geoprobe® 7720DT track-mounted drill rig on 7/26/2018 and 7/27/2018. Soil borings were explored to 25' depth below ground surface. Soil samples were collected utilizing 5-foot long Macro Core samplers fitted with dedicated acetate sleeves, from surface grade to the termination depth of each boring as described below. At each boring location, a field engineer from *Elemental* supervised the Site work, screened soil samples for environmental

impacts at 5 foot intervals (i.e., visual, olfactory, and organic vapor with a photoionization detector [PID]), documented subsurface conditions, and collected environmental samples for laboratory analyses.

Five (5) soil borings, identified as SB-1 through SB-5 were advanced on the subject lot. Borings SB-1 and SB-3 were advanced on the northeastern and southeastern side respectively. SB-1 was located near an anomalous area identified by GPR and SB-3 was moved near a former sump and drain line exiting from the anomaly near the former garage area to characterize soil conditions beneath the anomaly. SB-1 was noted with odor at 23-25 ft bgs and was further advanced to 30-35 ft bgs before the borehole collapsed. Odor with elevated PID readings was still noted. SB-2 and SB-4 were installed towards the northwest and southwest side of the subject lot which previously contained USTs as indicated in the Phase I and Sanborn maps. SB-5 was installed in the center of the subject lot.

Boring logs with a description of soil/fill types; soil screening results from field visual, olfactory and PID; depth to groundwater; soil characteristics, appearance and mottling; presence of odor, vapors, soil discoloration; and presence of free and/or residual product and prepared by a geotechnical engineer are included in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 4

Groundwater Monitoring Well Construction

Boring locations SB-1, SB-2 and SB-3 were converted to temporary well points TW-1 through TW-3 via a one inch- diameter, polyvinyl casing (PVC) down to 50 ft and then schedule 40, 0.010-inch slotted screen set at approximately 50 to 70 ft. bgs. Clean sand (Morie #2) was used to fill the annulus around the well. TW-1 and TW-3 were placed upgradient and near the anomaly identified by the GPR investigation and the former sump and drain line. TW-2 was placed downgradient of the historic UST location.

Construction logs of monitoring wells TW-1 to TW-3 are attached in Appendix D. Groundwater sampling log from TW-1 to TW-3 with information on purging and sampling of groundwater monitor well is included in Appendix D. A map showing the location of monitoring wells is shown in Figure 4.

Survey

The location of soil borings and monitor wells are shown on the attached site sampling location plan with reference from existing site boundaries. A land survey was used to identify the location of all soil borings and monitor wells.

Water Level Measurement

Prior to groundwater purging and sampling of monitoring wells, the wells were gauged for the presence of Light, Non-aqueous Phase Liquid (LNAPL) and also monitored to determine the depth to groundwater. The well gauging and monitoring was performed utilizing a Solinst interface meter. The Interface probe can measure the depth of groundwater reading to 1/100 ft. [0.01 inch?]

LNAPL was not identified in the monitoring wells during the well gauging exercise. Groundwater was encountered at approximately 53 feet below grade at the Site. Water level data in TW-1 to TW-3 is included in Table 1. A Groundwater Elevation Contour Diagram is provided in Figure 5. Water level data is included in Purge Sheet included in Appendix-D.

Soil Vapor Boring Construction

Samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). Groundwater was encountered at a depth of approximately 53 feet. Five soil vapor samples were collected. Figure 4 shows the sampling locations. Soil vapor implants were set at a depth of approximately 22 feet. The soil vapor probes were installed at the bottom of the proposed cellar foundation. The vapor implants were installed as temporary probes consisting of hollow steel rods driven into the subsurface using direct push drilling methods. The temporary probes were driven to the bottom of the desired sampling interval using expendable drive points. Then, the probe rods were withdrawn approximately 6 inches, leaving the expendable drive point in place and exposing the sampling interval. 1/4-inch ID Teflon tubing with a threaded adaptor at the bottom end was inserted through the steel rods and threaded into the probe tip to form a gas tight seal. Sample collection was performed through tubing that is run through the hollow drill rod and connected directly to the sampling probe tip. Samples were collected in 6-liter Summa canisters that had been certified

clean by the laboratory and samples were analyzed by using USEPA Method TO-15. Flow rate for both purging and sampling did not exceed 0.2 L/min. Immediately following soil vapor probe installation, three implant volumes were purged utilizing a calibrated GilAir-Plus pump at rate of 200 ml/min. A sample log sheets were maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

As part of the vapor intrusion evaluation, a tracer gas was used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. First, a shut-in test was performed on each sample train prior to sampling. A vacuum was drawn on the sample train and monitored over a one-minute period. No significant pressure drop was noted at the any of the sampling locations. Secondly, a plastic pail served to keep the tracer gas (He) in contact with the probe during testing. A MG2000 He detector was used to analyze a sample of soil vapor for the tracer gas prior to sampling. The results at all sample locations indicated no significant presence of the tracer gas. At the conclusion of the sampling round, tracer monitoring was performed a second time to confirm the integrity of the probe seals.

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

Soil samples were collected into dedicated acetate liners with a 2-inch diameter, 5-foot long macro core sample barrel. Soil samples retrieved from each boring were classified for soil type, grain size, and texture. Each sample was inspected for visual and olfactory anthropogenic impacts and screened for organic vapors with a PID equipped with a 10.6 electron volt (eV) lamp. A total of 14 soil samples were collected and submitted for laboratory analyses from the 5 borings advanced on the Site. Grab samples were collected from each boring location at two distinct depth intervals; 0 to 2 feet bgs and the depth interval below the proposed maximum excavation of cellar below 22'. Hence 23'-25' depth for bottom samples. Also, procured were samples biased to high PID reads and visual field observation pertaining to fill [Soil samples from SB-3 @7 ft depth, SB-4 & SB-5 at 19'] .Soil samples were collected into laboratory-supplied containers and transported via courier service under standard chain-of-custody protocol to York Analytical (YORK) in Stratford, CT, a New York State Department of Health (NYSDOH) ELAP-certified laboratory. A copy of York's ELAP certification is provided in Appendix D.

14 soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 2. Figure 4 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

The temporary monitoring well points were purged and sampled in general accordance with the USEPA low-flow (minimal drawdown) groundwater sampling procedures. Prior to sample collection, the wells were purged using a low flow Bladder submersible pump fitted with dedicated disposable polyethylene tubing. Field indicator parameters (pH, temperature, conductivity, dissolved oxygen, redox potential, and turbidity) were monitored and recorded during purging at five-minute intervals using a Horiba® U-22 water quality meter. Approximately 12 to 14 liters of groundwater was purged from each well.

After field indicator parameters stabilized, groundwater samples were collected directly from the discharge line into laboratory-supplied sample containers, sealed, labeled, placed in ice-chilled coolers, and submitted to York under standard chain-of-custody protocol. The submersible pump

was decontaminated using laboratory grade detergent (Alconox) and distilled rinse water between each sample location. Well Sampling logs are provided in Appendix D.

Three (3) groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Appendix-D. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix D. Figure 4 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Soil vapor probes SG-1 through SG-5 were installed 3-4 ft away from the soil boring locations. Two (2) sub-surface soil vapor samples were collected from the northern portion of the Site for laboratory analyses. The samples were collected in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006. Prior to sampling, the soil vapor points were screened using a PID. As a quality assurance/quality control (QA/QC) measure, an inert tracer gas (e.g., helium) was introduced to the sampling chamber to ensure that the soil vapor sampling points were properly sealed and ambient air was not infiltrating the sample. Soil vapor samples were collected into laboratory-supplied, individually certified-clean 6-liter Summa® canisters with flow controllers calibrated for a two-hour sampling period per sample. Samples were transported to an NYSDOH ELAP-certified laboratory (York) under standard chain-of-custody protocols and analyzed for VOCs per EPA method TO-15 supplemented with selected ion monitoring (SIM).

Three (3) soil vapor probes were installed and 3 soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 1. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

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 Benjamin Gulizia
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were York Analytical Laboratories, Inc
Chemical Analytical Methods	<p>Soil and groundwater analytical methods:</p> <ul style="list-style-type: none"> • 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); <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 2, 3 & 4 respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Based on on-site test borings completed as part of this RIR, subsurface conditions generally consist of a 2.5- to 12-foot thick layer of fill material that contained some concrete and asphalt. The fill material was underlain by a sand unit that had interspersed with sandstone and gravels followed by m, f-sand. Bedrock was not encountered up to 70' Bgs (i.e. end of boring for temporary well point).

Hydrogeology

Groundwater levels were collected using an interface probe capable of identifying non-aqueous phase liquids (NAPL) from each well prior to purging and sampling. LNAPL was not observed in any of the five wells. A table of water level data for all monitor wells is included in Appendix-D. The average depth to groundwater is 53 and the range in depth is 53.31 feet to 53.55 feet bgs. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 5. Groundwater flow is westerly to northwesterly.

5.2 Soil Chemistry

Soil/fill samples results were compared to NYSDEC Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs) and Track 2 Restricted Residential Use SCOs as presented in 6NYCRR Part 375-6.8. No SVOCs or PCBs were detected above Unrestricted Use SCOs in any of the soil samples. The VOC acetone (0.08 ppm) was detected in SB-1(23-25) above its respective Unrestricted Use SCO. It should be noted that this compound is a common laboratory contaminant and its presence in soil samples is likely due to laboratory artifact. The following exceedances were detected:

- **VOCs:** including n-propyl Benzene at 7.3 mg/kg, exceeding Unrestricted Use SCOs in only one sample SB-1(23-25').
- **Pesticides:** 4,4'-DDT in only one surficial sample at SB-4(0-2') at marginal exceedance of 0.00353 mg/kg exceeding Unrestricted Use SCO of 0.0033.

- **SVOCs:** NO SVOCs were detected exceeding Unrestricted Residential Use SCOs.
- **Metals:** Lead (at 96.8 ppm) was detected above its Unrestricted Use SCO of 63 ppm in SB-2(0-2).

Lead (at 211 ppm) was detected above its Unrestricted Use SCO of 63 pm and Mercury(at 0.0181 ppm) was detected above its Unrestricted Use SCO of 0.18 ppm in SB-3(7-8).

Copper (at 59.2 ppm) was detected above its Unrestricted Use SCO of 50 ppm, Lead (at 238 ppm) was detected above its Unrestricted Use SCO of 63 ppm and Zinc(at 162 ppm) was detected above its Unrestricted Use SCO of 109 ppm in SB-5(0-2).

The detected concentrations of metals in soil are attributable to the urban fill materials observed within the soil borings in top 10 to 12 feet depth. Pockets of petroleum impacted soils are noted around 15-20' bgs which is due to historic operations of auto repair facility with a sump and drain located onsite during GPR survey. This impacted soil may be attributing to some volatiles noted in soil gas samples.

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 Table 1. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Groundwater samples collected during the RI were compared to New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Groundwater samples showed no pesticides or PCBs exceeding GQS. However, some VOCs including cis-1,2-dichloroethene at 6.9 µg/l, n-propyl Benzene at 10 µg/l, m&p-xylene at 8.3 µg/l, and total xylenes at 10 µg/l were detected exceeding GQS. Also, chlorinated contaminant PCE at 170 ug/l at upgradient location and 47 ug/l at downgradient of GW flow was noted. One SVOCs Benzo(a)anthracene was detected at concentrations exceeding their GQS only in one well at 0.0571 µg/l. Dissolved metals were detected at concentrations exceeding the GQS for manganese at 5,410 µg/l, magnesium at 58,000 µg/l and sodium at 39,600 µg/l (maximum).

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 Table 3. Exceedance of applicable groundwater standards are shown.

Figure 5 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

Soil vapor samples collected during the RI were compared to New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor results indicated elevated levels of petroleum related compounds such as Benzene, Ethylbenzene, MTBE, N-heptane, N-hexane, Xylenes, Toluene and Freon. Tetrachloroethene (PCE) was detected in all 5 soil vapor samples ranging from 5 – 130 $\mu\text{g}/\text{m}^3$. Trichloroethene (TCE) was not detected in any sample. All chlorinated VOCs were below the mitigation level ranges established within the NYSDOH soil vapor guidance matrix.

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 5.

Figure 4 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.

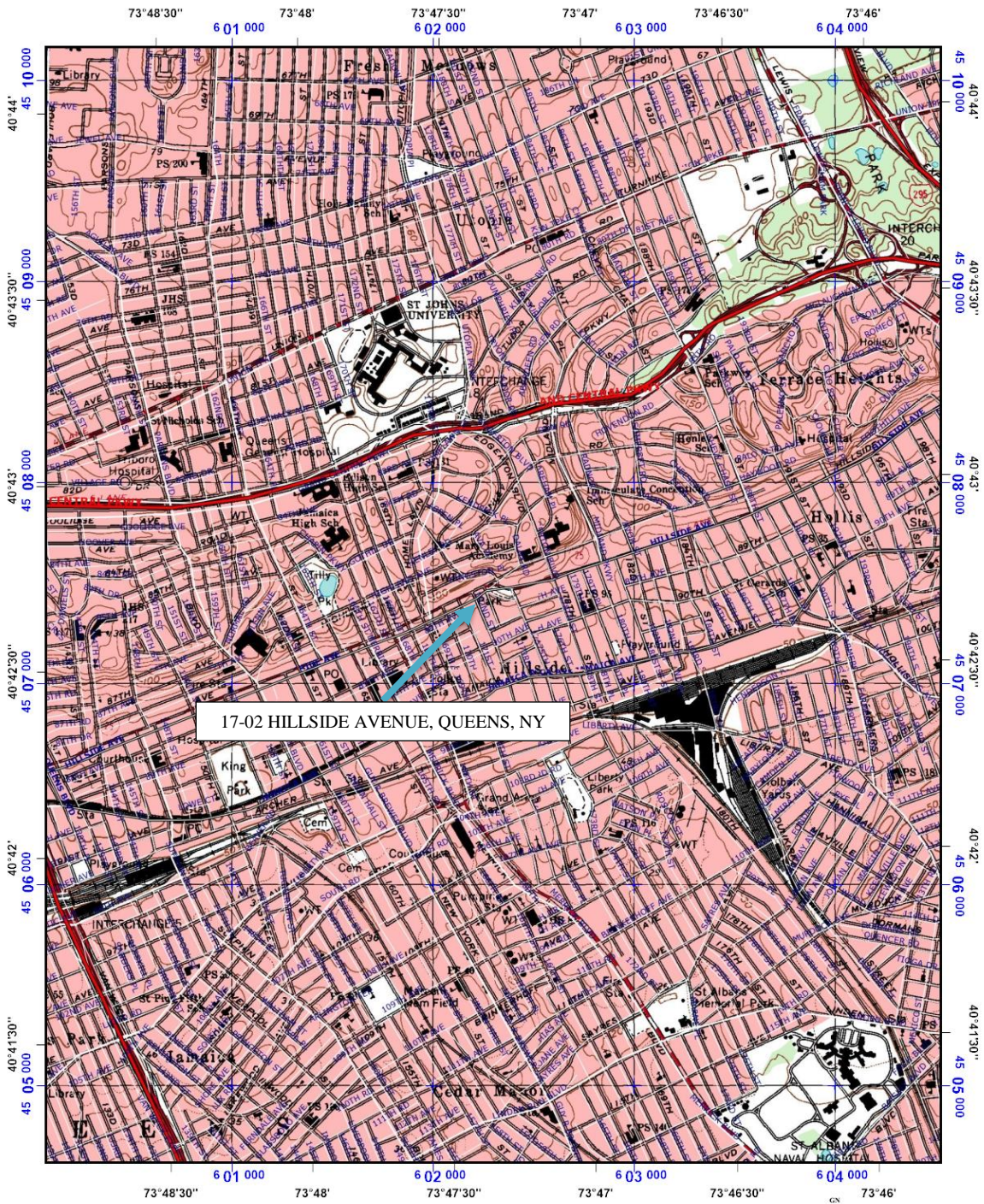
5.6 Impediments to Remedial Action

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

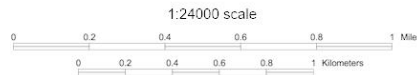
FIGURES

FIGURE 1 : SITE LOCATION MAP

172-02 Hillside Avenue, Queens, NY



Universal Transverse Mercator (UTM) Projection Zone 18
North American Datum of 1983
1000 meter UTM / USNG / MGRS
Grid Zone Designation: 18T
100,000-m Squares: XL

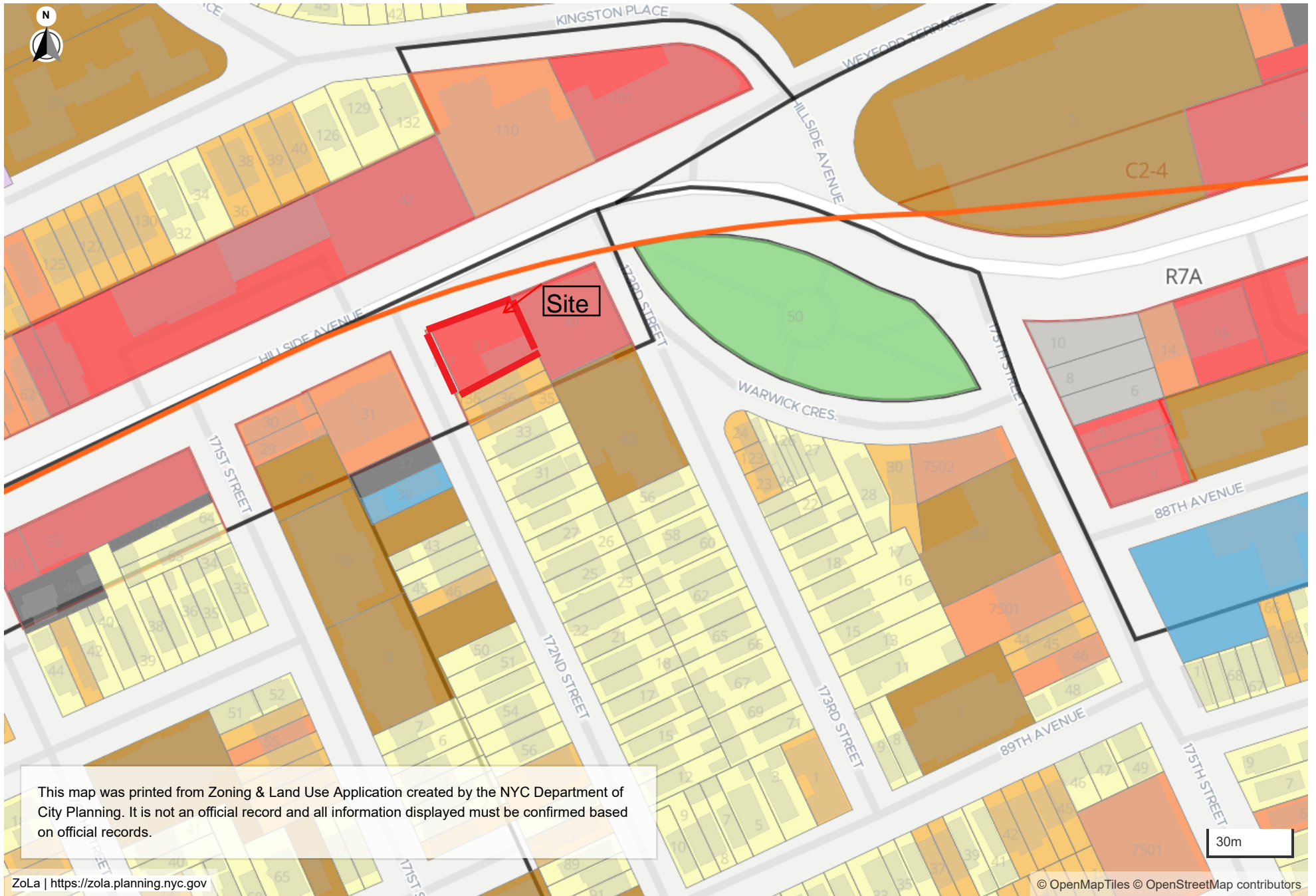


Magnetic declination of 12°W at center of map
on March 17, 2011

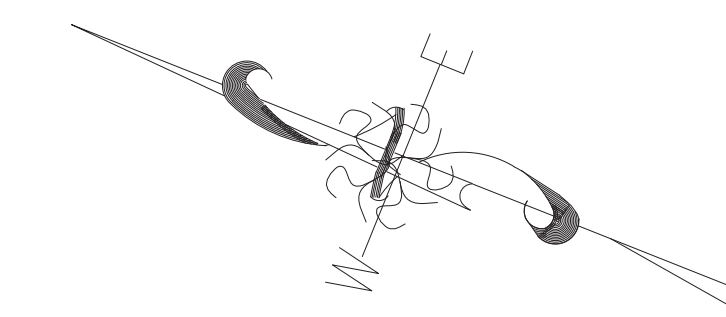


P.O. Box 7711, North Brunswick, NJ 08902

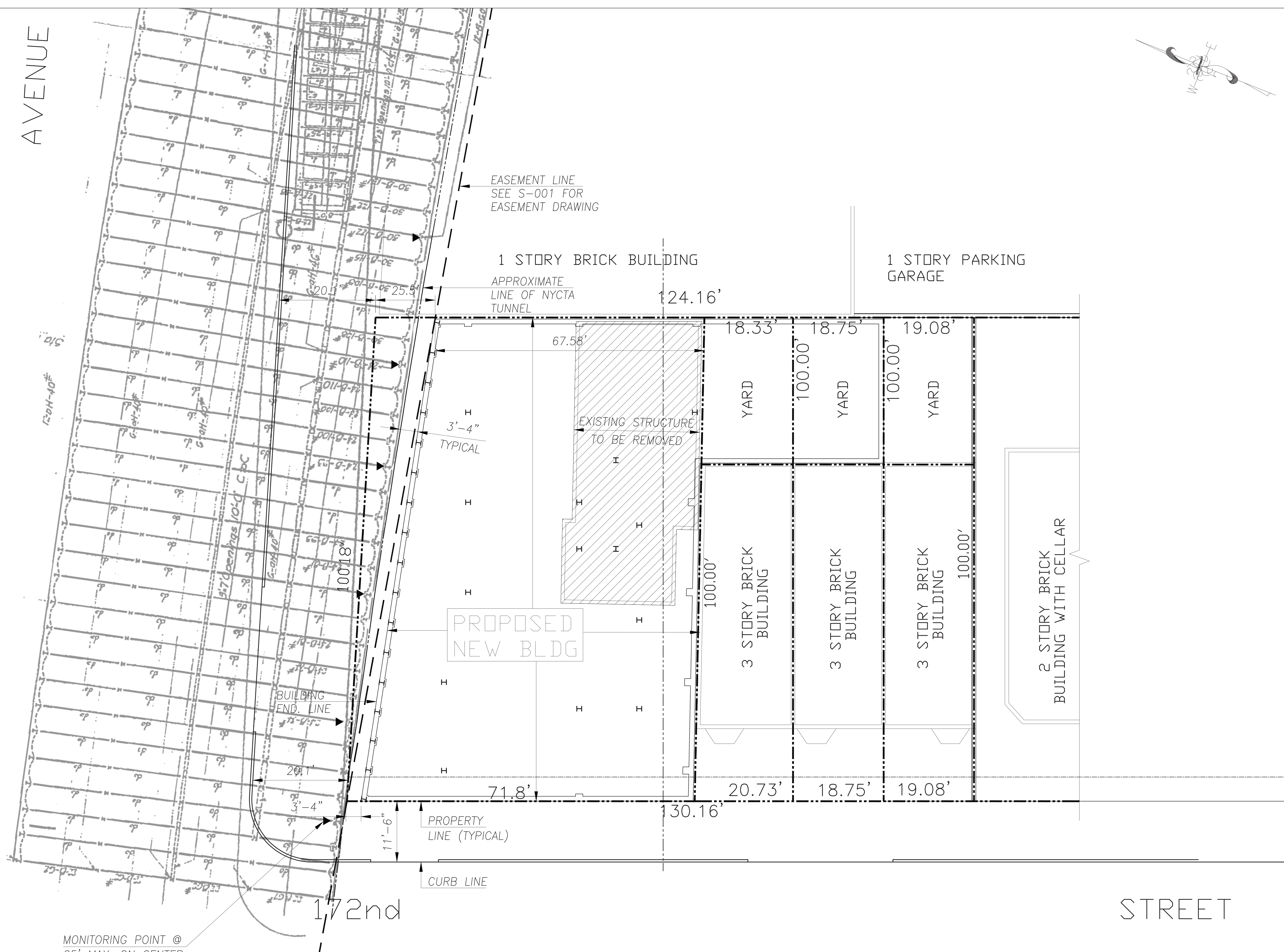
FIGURE 2 : SITE BOUNDARY MAP



This map was printed from Zoning & Land Use Application created by the NYC Department of City Planning. It is not an official record and all information displayed must be confirmed based on official records.



AVENUE



EASEMENT LINE
SEE S-001 FOR
EASEMENT DRAWING

1 STORY BRICK BUILDING

1 STORY PARKING
GARAGE

APPROXIMATE
LINE OF NYCTA
TUNNEL

124.16'

67.58'

18.33'

18.75'

19.08'

YARD

YARD

YARD

100.00'

100.00'

100.00'

EXISTING STRUCTURE
TO BE REMOVED

PROPOSED
NEW BLDG

3 STORY BRICK
BUILDING

3 STORY BRICK
BUILDING

3 STORY BRICK
BUILDING

2 STORY BRICK
BUILDING WITH CELLAR

3'-4"
TYPICAL

BUILDING
END. LINE

11'-6"
PROPERTY
LINE (TYPICAL)

CURB LINE

30.16'

20.73'

18.75'

19.08'

STREET

MONITORING POINT @
25' MAX. ON CENTER
(TYPICAL)

172nd

HILLSIDE

172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:

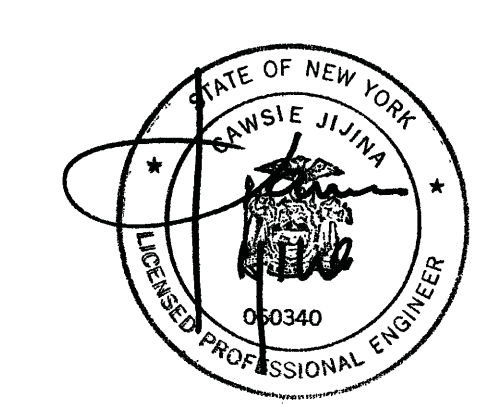
FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title:
SITE PLAN

Scale:
AS NOTED
Date:
26 MAY 2015

Dwg. No.:
FO-100.00
OF

SITE PLAN
1/8" = 1'-0"



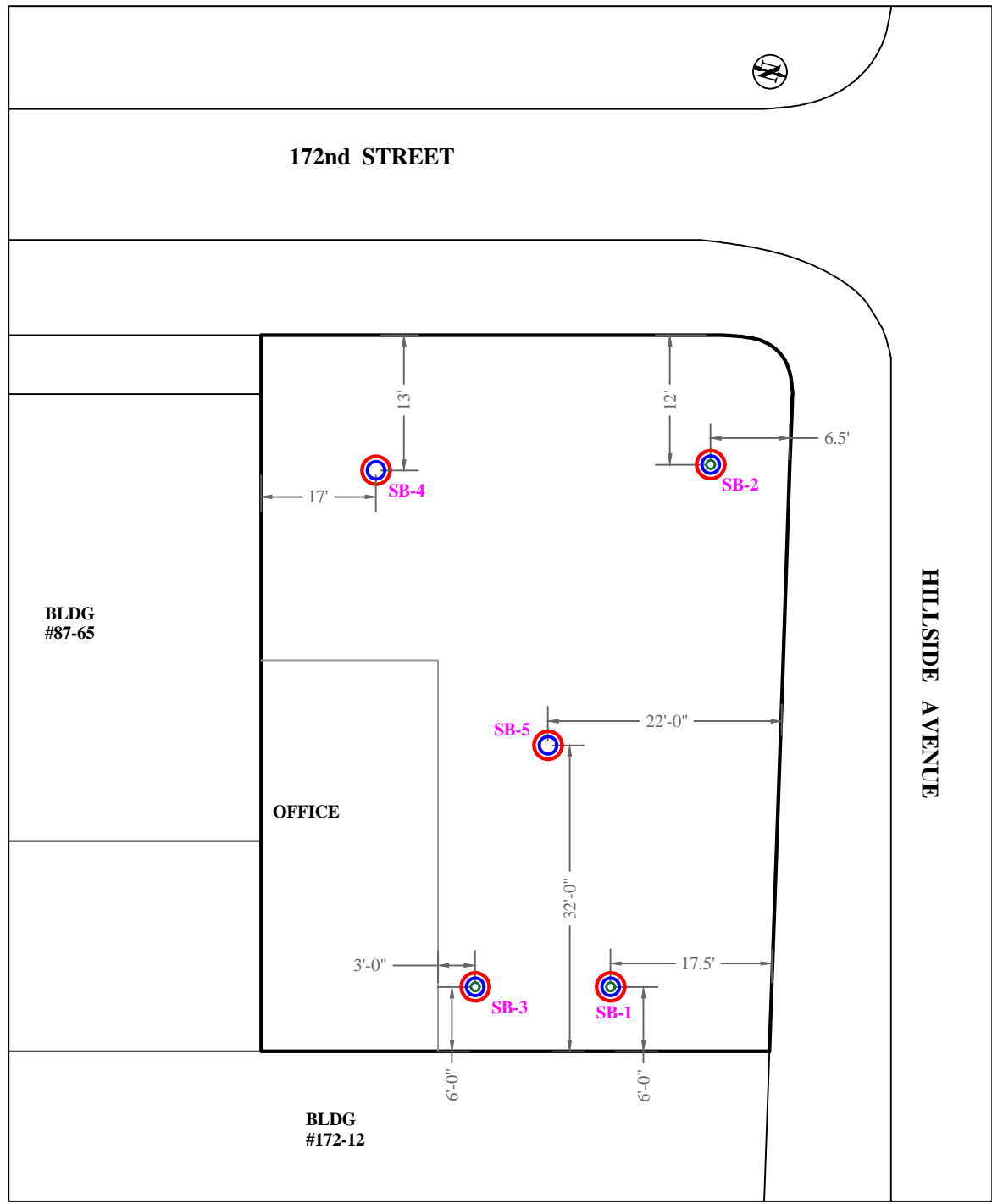


FIGURE 4 : SOIL/GROUNDWATER SOIL VAPOR SAMPLE LOCATION PLAN
 SCALE: N. T. S.

LEGEND:
⊙ Soil Boring/Ground Water/ Soil Vapor Locations
⊕ Soil Boring /Soil Vapor Locations
○ Soil Boring Locations

Client: Ben Kaftari c/o 172 st, LLC	
Project: 172-02 Hillside ave, Jamaica, NY	
ELEMENTAL ENVIRONMENT LLC	
P. O. BOX-7711,	
NORTH BRUNSWICK, NJ, 08092	
BY: KP	Date: 05/29/2018
Project No- EE-52818	

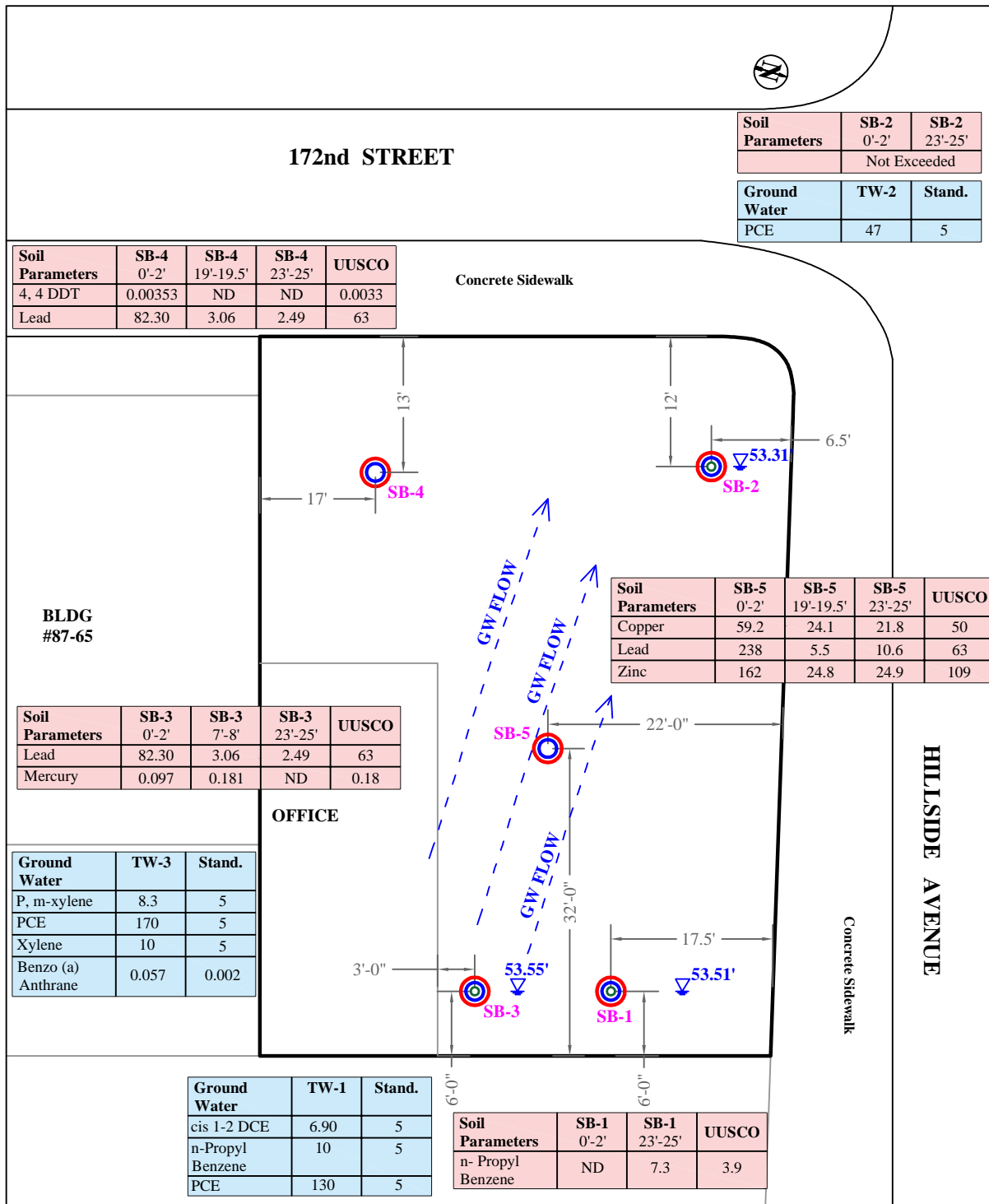


FIGURE 5 :RESULT CONCENTRATION PLAN
SCALE: N. T. S.

LEGEND:

- ⊙ Soil Boring/Ground Water/ Soil Vapor Locations
- ⊗ Soil Boring /Soil Vapor Locations
- Soil Boring Locations
- Ground Water Flow Direction

Client: Ben Kaftari c/o 172 st, LLC
 Project: 172-02 Hillside ave, Jamaica, NY
 ELEMENTAL ENVIRONMENT LLC
 P. O. BOX-7711,
 NORTH BRUNSWICK, NJ, 08092
 BY: KP Date: 05/29/2018

TABLES

Table 1
Sample Summary and Rationale
172-02 Hillside Avenue, Queens, NY

Matrix	Sample Location	Sample Depth (ft bgs)	Material	Rationale	Analysis
Soil	SB-1	0-2	Fill	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	VOCs, SVOCs, Metals, PCBs, Pesticides
	SB-1	23-25	Native	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-2	0-2	Fill	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-2	23-25	Native	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-2	19-21	Native	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-3	0-2	Fill	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-3	23-25	Native	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-3	9-Jul	Fill	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-4	0-2 23-25 19-21	Fill	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-4		Native	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-4		Native	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-5	0-2	Fill	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-5	23-25	Native	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	SB-5	10-12	Fill	Site wide soil assessment / Characteristics of material to be removed during site redevelopment.	
	TW-1	53.51			

Table 1
Sample Summary and Rationale
172-02 Hillside Avenue, Queens, NY

Matrix	Sample Location	Sample Depth (ft bgs)	Material	Rationale	Analysis
Groundwater	TW-2	53.31		Site wide Groundwater Characterization	VOCs, SVOCs, Total and Dissolved Metals, PCBs, Pesticides
	TW-3	53.55			
Soil Vapor	SG-1	22		Characterization of soil vapor beneath the proposed cellar slab	VOCs
	SG-2	22			
	SG-3	22			
	SG-4	22			
	SG-5	22			

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 (0-2) 18G1213-01 7/26/2018 6:15:00 PM Soil		SB-1 (23-25) 18G1213-02 7/26/2018 6:30:00 PM Soil		SB-2 (0-2) 18G1213-03 7/26/2018 10:00:00 AM Soil	
Sampling Date		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Result	Q	Result	Q	Result	Q
Client Matrix							mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Compound	CAS Number											
Volatile Organics, 8260 - Comprehensive												
Dilution Factor							1		200		1	
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,1,1-Trichloroethane	71-55-6	100	500	1000	100	0.68	0.00240	U	0.00220	U	0.00240	U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,1,2-Trichloroethane	79-00-5	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,1-Dichloroethane	75-34-3	26	240	480	19	0.27	0.00240	U	0.00220	U	0.00240	U
1,1-Dichloroethylene	75-35-4	100	500	1000	100	0.33	0.00240	U	0.00220	U	0.00240	U
1,1-Dichloropropylene	563-58-6	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,2,3-Trichloropropane	96-18-4	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,2,4-Trimethylbenzene	95-63-6	52	190	380	47	3.6	0.00240	U	0.0520		0.00240	U
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,2-Dibromoethane	106-93-4	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	100	1.1	0.00240	U	0.00220	U	0.00240	U
1,2-Dichloroethane	107-06-2	3.1	30	60	2.3	0.02	0.00240	U	0.00220	U	0.00240	U
1,2-Dichloropropane	78-87-5	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,3,5-Trimethylbenzene	108-67-8	52	190	380	47	8.4	0.00240	U	0.0180		0.00240	U
1,3-Dichlorobenzene	541-73-1	49	280	560	17	2.4	0.00240	U	0.00220	U	0.00240	U
1,3-Dichloropropane	142-28-9	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
1,4-Dichlorobenzene	106-46-7	13	130	250	9.8	1.8	0.00240	U	0.00220	U	0.00240	U
1,4-Dioxane	123-91-1	13	130	250	9.8	0.1	0.0480	U	0.0430	U	0.0480	U
2,2-Dichloropropane	594-20-7	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
2-Butanone	78-93-3	100	500	1000	100	0.12	0.00240	U	0.0170		0.00240	U
2-Chlorotoluene	95-49-8	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
2-Hexanone	591-78-6	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
4-Chlorotoluene	106-43-4	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
4-Methyl-2-pentanone	108-10-1	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Acetone	67-64-1	100	500	1000	100	0.05	0.0120		0.0800		0.00480	U
Acrolein	107-02-8	~	~	~	~	~	0.00480	U	0.00430	U	0.00480	U
Acrylonitrile	107-13-1	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Benzene	71-43-2	4.8	44	89	2.9	0.06	0.00240	U	0.00220	U	0.00240	U
Bromobenzene	108-86-1	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Bromochloromethane	74-97-5	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Bromodichloromethane	75-27-4	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Bromoform	75-25-2	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Bromomethane	74-83-9	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Carbon disulfide	75-15-0	~	~	~	~	~	0.00240	U	0.00660		0.00240	U
Carbon tetrachloride	56-23-5	2.4	22	44	1.4	0.76	0.00240	U	0.00220	U	0.00240	U
Chlorobenzene	108-90-7	100	500	1000	100	1.1	0.00240	U	0.00220	U	0.00240	U
Chloroethane	75-00-3	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Chloroform	67-66-3	49	350	700	10	0.37	0.00240	U	0.00220	U	0.00240	U
Chloromethane	74-87-3	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
cis-1,2-Dichloroethylene	156-59-2	100	500	1000	59	0.25	0.00240	U	0.00220	U	0.00240	U
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Cyclohexane	110-82-7	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
Dibromochloromethane	124-48-1	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 (0-2) 18G1213-01 7/26/2018 6:15:00 PM Soil		SB-1 (23-25) 18G1213-02 7/26/2018 6:30:00 PM Soil		SB-2 (0-2) 18G1213-03 7/26/2018 10:00:00 AM Soil		
Sampling Date	CAS Number						Result	Q	Result	Q	Result	Q	
Client Matrix							Compound	Result	Q	Result	Q	Result	Q
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		41	390	780	30	1	0.00240	U	0.0220			0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		~	~	~	~	~	~	0.00240	U	2.500	D	0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00230	J	0.00240	U
		100	500	1000	62	0.93	0.00240	U	0.00220	U		0.00240	U
		~	~	~	~	~	~	0.00240	U	0.430	U	0.00240	U
		100	500	1000	51	0.05	0.00480	U	0.00430	U		0.00670	J
		100	500	1000	100	12	0.00240	U	3.600	D		0.00240	U
		100	500	1000	100	3.9	0.00240	U	7.300	D		0.00300	J
		~	~	~	~	~	~	0.00240	U	0.0440		0.00240	U
		~	~	~	~	~	~	0.00480	U	0.0970		0.00480	U
		~	~	~	~	~	~	0.00240	U	0.0300		0.00240	U
		100	500	1000	100	11	0.00240	U	2.400	D		0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00520		0.00240	U
		100	500	1000	100	5.9	0.00240	U	0.0240			0.00240	U
		19	150	300	5.5	1.3	0.00240	U	0.00220	U		0.00240	U
		100	500	1000	100	0.7	0.00240	U	0.00220	U		0.00240	U
		100	500	1000	100	0.19	0.00240	U	0.00220	U		0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		21	200	400	10	0.47	0.00240	U	0.00220	U		0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		~	~	~	~	~	~	0.00240	U	0.00220	U	0.00240	U
		0.9	13	27	0.21	0.02	0.00240	U	0.00220	U		0.00240	U
		100	500	1000	100	0.26	0.00720	U	0.140			0.00730	U
Semi-Volatiles, 8270 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor							2		10			2	
	1,1-Biphenyl	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	1,2,4,5-Tetrachlorobenzene	~	~	~	~	~	0.0879	U	0.443	U		0.108	U
	1,2,4-Trichlorobenzene	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	1,2-Dichlorobenzene	100	500	1000	100	1.1	0.0441	U	0.222	U		0.0543	U
	1,2-Diphenylhydrazine (as Azobenzene)	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	1,3-Dichlorobenzene	49	280	560	17	2.4	0.0441	U	0.222	U		0.0543	U
	1,4-Dichlorobenzene	13	130	250	9.8	1.8	0.0441	U	0.222	U		0.0543	U
	2,3,4,6-Tetrachlorophenol	~	~	~	~	~	0.0879	U	0.443	U		0.108	U
	2,4,5-Trichlorophenol	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2,4,6-Trichlorophenol	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2,4-Dichlorophenol	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2,4-Dimethylphenol	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2,4-Dinitrophenol	~	~	~	~	~	0.0879	U	0.443	U		0.108	U
	2,4-Dinitrotoluene	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2,6-Dinitrotoluene	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2-Chloronaphthalene	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2-Chlorophenol	~	~	~	~	~	0.0441	U	0.222	U		0.0543	U
	2-Methylnaphthalene	~	~	~	~	~	0.0441	U	1.030	D		0.0543	U
	2-Methylphenol	100	500	1000	100	0.33	0.0441	U	0.222	U		0.0543	U
	2-Nitroaniline	~	~	~	~	~	0.0879	U	0.443	U		0.108	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 (0-2) 18G1213-01 7/26/2018 6:15:00 PM Soil		SB-1 (23-25) 18G1213-02 7/26/2018 6:30:00 PM Soil		SB-2 (0-2) 18G1213-03 7/26/2018 10:00:00 AM Soil	
Sampling Date	Client Matrix						Result	Q	Result	Q	Result	Q
Compound	CAS Number											
2-Nitrophenol	88-75-5	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
3- & 4-Methylphenols	65794-96-9	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
3,3-Dichlorobenzidine	91-94-1	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
3-Nitroaniline	99-09-2	~	~	~	~	~	0.0879	U	0.443	U	0.108	U
4,6-Dinitro-2-methylphenol	534-52-1	~	~	~	~	~	0.0879	U	0.443	U	0.108	U
4-Bromophenyl phenyl ether	101-55-3	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
4-Chloro-3-methylphenol	59-50-7	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
4-Chloroaniline	106-47-8	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
4-Chlorophenyl phenyl ether	7005-72-3	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
4-Nitroaniline	100-01-6	~	~	~	~	~	0.0879	U	0.443	U	0.108	U
4-Nitrophenol	100-02-7	~	~	~	~	~	0.0879	U	0.443	U	0.108	U
Acenaphthene	83-32-9	100	500	1000	100	20	0.0441	U	0.266	JD	0.0543	U
Acenaphthylene	208-96-8	100	500	1000	100	100	0.0441	U	0.262	JD	0.0543	U
Acetophenone	98-86-2	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Aniline	62-53-3	~	~	~	~	~	0.176	U	0.887	U	0.217	U
Anthracene	120-12-7	100	500	1000	100	100	0.0441	U	0.222	U	0.0543	U
Atrazine	1912-24-9	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Benzaldehyde	100-52-7	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Benzidine	92-87-5	~	~	~	~	~	0.176	U	0.887	U	0.217	U
Benzo(a)anthracene	56-55-3	1	5.6	11	1	1	0.0441	U	0.556	D	0.0543	U
Benzo(a)pyrene	50-32-8	1	1	1.1	1	1	0.0441	U	0.222	U	0.0543	U
Benzo(b)fluoranthene	205-99-2	1	5.6	11	1	1	0.0441	U	0.222	U	0.0543	U
Benzo(g,h,i)perylene	191-24-2	100	500	1000	100	100	0.0441	U	0.222	U	0.0543	U
Benzo(k)fluoranthene	207-08-9	3.9	56	110	1	0.8	0.0441	U	0.222	U	0.0543	U
Benzoic acid	65-85-0	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Benzyl alcohol	100-51-6	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Benzyl butyl phthalate	85-68-7	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Bis(2-chloroethoxy)methane	111-91-1	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Bis(2-chloroethyl)ether	111-44-4	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Bis(2-chloroisopropyl)ether	108-60-1	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Bis(2-ethylhexyl)phthalate	117-81-7	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Caprolactam	105-60-2	~	~	~	~	~	0.0879	U	0.443	U	0.108	U
Carbazole	86-74-8	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Chrysene	218-01-9	3.9	56	110	1	1	0.0441	U	0.850	D	0.0543	U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.56	1.1	0.33	0.33	0.0441	U	0.222	U	0.0543	U
Dibenzofuran	132-64-9	59	350	1000	14	7	0.0441	U	0.222	U	0.0543	U
Diethyl phthalate	84-66-2	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Dimethyl phthalate	131-11-3	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Di-n-butyl phthalate	84-74-2	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Di-n-octyl phthalate	117-84-0	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Fluoranthene	206-44-0	100	500	1000	100	100	0.0441	U	0.404	JD	0.0543	U
Fluorene	86-73-7	100	500	1000	100	30	0.0441	U	0.499	D	0.0543	U
Hexachlorobenzene	118-74-1	1.2	6	12	0.33	0.33	0.0441	U	0.222	U	0.0543	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Hexachlorocyclopentadiene	77-47-4	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Hexachloroethane	67-72-1	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	11	0.5	0.5	0.0441	U	0.222	U	0.0543	U
Isophorone	78-59-1	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U
Naphthalene	91-20-3	100	500	1000	100	12	0.0441	U	0.687	D	0.0543	U
Nitrobenzene	98-95-3	~	~	~	~	~	0.0441	U	0.222	U	0.0543	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 (0-2) 18G1213-01 7/26/2018 6:15:00 PM Soil		SB-1 (23-25) 18G1213-02 7/26/2018 6:30:00 PM Soil		SB-2 (0-2) 18G1213-03 7/26/2018 10:00:00 AM Soil		
Sampling Date	Client Matrix	CAS Number	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Compound	Result												Q
			~	~	~	~	~	~	~	~	~	~	
			~	~	~	~	~	~	~	~	~	~	
			~	~	~	~	~	~	~	~	~	~	
			6.7	6.7	55	2.4	0.8	0.0441	U	0.222	U	0.0543	U
			100	500	1000	100	100	0.0441	U	1.020	D	0.0543	U
			100	500	1000	100	0.33	0.0441	U	0.222	U	0.0543	U
			100	500	1000	100	100	0.0441	U	0.598	D	0.0543	U
			~	~	~	~	~	0.176	U	0.887	U	0.217	U
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
								5		5		5	
			13	92	180	2.6	0.0033	0.00174	U	0.00175	U	0.00214	U
			8.9	62	120	1.8	0.0033	0.00174	U	0.00175	U	0.00214	U
			7.9	47	94	1.7	0.0033	0.00174	U	0.00175	U	0.00214	U
			0.097	0.68	1.4	0.019	0.005	0.00174	U	0.00175	U	0.00214	U
			0.48	3.4	6.8	0.097	0.02	0.00174	U	0.00175	U	0.00214	U
			4.2	24	47	0.91	0.094	0.0392	D	0.00175	U	0.00214	U
			0.36	3	14	0.072	0.036	0.00174	U	0.00175	U	0.00214	U
			~	~	~	~	~	0.0622	D	0.0349	U	0.0428	U
			100	500	1000	100	0.04	0.00174	U	0.00175	U	0.00214	U
			0.2	1.4	2.8	0.039	0.005	0.00174	U	0.00175	U	0.00214	U
			24	200	920	4.8	2.4	0.00174	U	0.00175	U	0.00214	U
			24	200	920	4.8	2.4	0.00174	U	0.00175	U	0.00214	U
			24	200	920	4.8	2.4	0.00174	U	0.00175	U	0.00214	U
			11	89	410	2.2	0.014	0.00174	U	0.00175	U	0.00214	U
			~	~	~	~	~	0.00174	U	0.00175	U	0.00214	U
			~	~	~	~	~	0.00174	U	0.00175	U	0.00214	U
			1.3	9.2	23	0.28	0.1	0.00174	U	0.00175	U	0.00214	U
			~	~	~	~	~	0.0230	DP	0.00175	U	0.00214	U
			2.1	15	29	0.42	0.042	0.00174	U	0.00175	U	0.00214	U
			~	~	~	~	~	0.00174	U	0.00175	U	0.00214	U
			~	~	~	~	~	0.00870	U	0.00873	U	0.0107	U
			~	~	~	~	~	0.0880	U	0.0884	U	0.108	U
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
								1		1		1	
			~	~	~	~	~	8.280		3.660		16.400	
			~	~	~	~	~	0.817		0.531	U	0.650	U
			16	16	16	16	13	1.750		1.060	U	4.890	
			400	400	10000	350	350	44.800		29.700		123	
			72	590	2700	14	7.2	0.106	U	0.106	U	0.608	
			4.3	9.3	60	2.5	2.5	0.317	U	0.319	U	0.390	U
			~	~	~	~	~	7,450		1,170		1,790	
			~	~	~	~	~	19.700		9.310		20.400	
			~	~	~	~	~	10.800		8.010		7.850	
			270	270	10000	270	50	19.900		22		8.820	
			~	~	~	~	~	17,100	B	12,400	B	16,400	B
			400	1000	3900	400	63	10.100		2.580		24.800	
			~	~	~	~	~	2,950		1,210		2,140	
			2000	10000	10000	2000	1600	311		287		961	
			310	310	10000	140	30	16.800		13.900		14.500	

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 (0-2) 18G1213-01 7/26/2018 6:15:00 PM Soil		SB-1 (23-25) 18G1213-02 7/26/2018 6:30:00 PM Soil		SB-2 (0-2) 18G1213-03 7/26/2018 10:00:00 AM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q
Potassium	7440-09-7	~	~	~	~	~	939		595		496	
Selenium	7782-49-2	180	1500	6800	36	3.9	1.060	U	1.060	U	1.300	U
Silver	7440-22-4	180	1500	6800	36	2	0.529	U	0.531	U	0.650	U
Sodium	7440-23-5	~	~	~	~	~	219		117		176	
Thallium	7440-28-0	~	~	~	~	~	1.060	U	1.060	U	1.300	U
Vanadium	7440-62-2	~	~	~	~	~	21.100		16.800		28	
Zinc	7440-66-6	10000	10000	10000	2200	109	32.600		16.700		26.700	
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
Mercury	7439-97-6	0.81	2.8	5.7	0.81	0.18	0.0657		0.0319	U	0.0390	U
Chromium, Hexavalent		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
Chromium, Hexavalent	18540-29-9	110	400	800	22	1	0.529	U	0.531	U	0.650	U
ORP (Oxidation-Reduction Potential)(Ag/AgCl)							mV		mV		mV	
Dilution Factor							1		1		1	
ORP (Oxidation-Reduction Potent)		~	~	~	~	~	480		430		430	
pH							pH units		pH units		pH units	
Dilution Factor							1		1		1	
pH		~	~	~	~	~	8.790		7.930		7.690	
Total Solids							%		%		%	
Dilution Factor							1		1		1	
% Solids	solids	~	~	~	~	~	94.500		94.200		76.900	
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
Aroclor 1016	12674-11-2	~	~	~	~	~	0.0176	U	0.0176	U	0.0216	U
Aroclor 1221	11104-28-2	~	~	~	~	~	0.0176	U	0.0176	U	0.0216	U
Aroclor 1232	11141-16-5	~	~	~	~	~	0.0176	U	0.0176	U	0.0216	U
Aroclor 1242	53469-21-9	~	~	~	~	~	0.0176	U	0.0176	U	0.0216	U
Aroclor 1248	12672-29-6	~	~	~	~	~	0.0176	U	0.0176	U	0.0216	U
Aroclor 1254	11097-69-1	~	~	~	~	~	0.0176	U	0.0176	U	0.0216	U
Aroclor 1260	11096-82-5	~	~	~	~	~	0.0176	U	0.0176	U	0.0216	U
Total PCBs	1336-36-3	1	1	25	1	0.1	0.0176	U	0.0176	U	0.0216	U

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

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

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

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-2 (23-25) 18G1213-04 7/26/2018 10:15:00 AM Soil		SB-2 (19-19.5) 18G1213-05 7/26/2018 10:30:00 AM Soil		SB-3 (0-2) 18G1213-06 7/26/2018 1:00:00 PM Soil		SB-3 (23-25) 18G1213-07 7/26/2018 1:30:00 PM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor							1	1	1	1	1	1	1	
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,1,1-Trichloroethane	71-55-6	100	500	1000	100	0.68	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,1,2-Trichloroethane	79-00-5	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,1-Dichloroethane	75-34-3	26	240	480	19	0.27	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,1-Dichloroethylene	75-35-4	100	500	1000	100	0.33	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,1-Dichloropropylene	563-58-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2,3-Trichloropropane	96-18-4	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2,4-Trimethylbenzene	95-63-6	52	190	380	47	3.6	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2-Dibromoethane	106-93-4	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	100	1.1	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2-Dichloroethane	107-06-2	3.1	30	60	2.3	0.02	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,2-Dichloropropane	78-87-5	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,3,5-Trimethylbenzene	108-67-8	52	190	380	47	8.4	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,3-Dichlorobenzene	541-73-1	49	280	560	17	2.4	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,3-Dichloropropane	142-28-9	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,4-Dichlorobenzene	106-46-7	13	130	250	9.8	1.8	0.00220	U	0.00220	U	0.00230	U	0.00220	U
1,4-Dioxane	123-91-1	13	130	250	9.8	0.1	0.0430	U	0.0450	U	0.0450	U	0.0450	U
2,2-Dichloropropane	594-20-7	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
2-Butanone	78-93-3	100	500	1000	100	0.12	0.00220	U	0.00610	U	0.00230	U	0.00220	U
2-Chlorotoluene	95-49-8	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
2-Hexanone	591-78-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
4-Chlorotoluene	106-43-4	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
4-Methyl-2-pentanone	108-10-1	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Acetone	67-64-1	100	500	1000	100	0.05	0.0190	U	0.0340	U	0.00450	U	0.00850	J
Acrolein	107-02-8	~	~	~	~	~	0.00430	U	0.00450	U	0.00450	U	0.00450	U
Acrylonitrile	107-13-1	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Benzene	71-43-2	4.8	44	89	2.9	0.06	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Bromobenzene	108-86-1	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Bromochloromethane	74-97-5	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Bromodichloromethane	75-27-4	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Bromoform	75-25-2	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Bromomethane	74-83-9	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Carbon disulfide	75-15-0	~	~	~	~	~	0.00220	U	0.00480	U	0.00230	U	0.00220	U
Carbon tetrachloride	56-23-5	2.4	22	44	1.4	0.76	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Chlorobenzene	108-90-7	100	500	1000	100	1.1	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Chloroethane	75-00-3	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Chloroform	67-66-3	49	350	700	10	0.37	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Chloromethane	74-87-3	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
cis-1,2-Dichloroethylene	156-59-2	100	500	1000	59	0.25	0.00220	U	0.00220	U	0.00230	U	0.00220	U
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Cyclohexane	110-82-7	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Dibromochloromethane	124-48-1	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-2 (23-25) 18G1213-04 7/26/2018 10:15:00 AM Soil	SB-2 (19-19.5) 18G1213-05 7/26/2018 10:30:00 AM Soil	SB-3 (0-2) 18G1213-06 7/26/2018 1:00:00 PM Soil	SB-3 (23-25) 18G1213-07 7/26/2018 1:30:00 PM Soil				
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
Dibromomethane	74-95-3	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Dichlorodifluoromethane	75-71-8	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Ethyl Benzene	100-41-4	41	390	780	30	1	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Isopropylbenzene	98-82-8	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Methyl acetate	79-20-9	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	500	1000	62	0.93	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Methylcyclohexane	108-87-2	~	~	~	~	~	0.00220	U	0.00320	J	0.00230	U	0.00220	U
Methylene chloride	75-09-2	100	500	1000	51	0.05	0.00430	U	0.00600	J	0.00450	U	0.00450	U
n-Butylbenzene	104-51-8	100	500	1000	100	12	0.00220	U	0.00220	U	0.00230	U	0.00220	U
n-Propylbenzene	103-65-1	100	500	1000	100	3.9	0.00220	U	0.00220	U	0.00230	U	0.00220	U
o-Xylene	95-47-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
p- & m- Xylenes	179601-23-1	~	~	~	~	~	0.00430	U	0.00450	U	0.00450	U	0.00450	U
p-Isopropyltoluene	99-87-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
sec-Butylbenzene	135-98-8	100	500	1000	100	11	0.00220	U	0.00870		0.00230	U	0.00220	U
Styrene	100-42-5	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
tert-Butylbenzene	98-06-6	100	500	1000	100	5.9	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Tetrachloroethylene	127-18-4	19	150	300	5.5	1.3	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Toluene	108-88-3	100	500	1000	100	0.7	0.00220	U	0.00220	U	0.00230	U	0.00220	U
trans-1,2-Dichloroethylene	156-60-5	100	500	1000	100	0.19	0.00220	U	0.00220	U	0.00230	U	0.00220	U
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
trans-1,4-dichloro-2-butene	110-57-6	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Trichloroethylene	79-01-6	21	200	400	10	0.47	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Trichlorofluoromethane	75-69-4	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Vinyl acetate	108-05-4	~	~	~	~	~	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Vinyl Chloride	75-01-4	0.9	13	27	0.21	0.02	0.00220	U	0.00220	U	0.00230	U	0.00220	U
Xylenes, Total	1330-20-7	100	500	1000	100	0.26	0.00650	U	0.00670	U	0.00680	U	0.00670	U
Semi-Volatiles, 8270 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor							2		2		2		2	
1,1-Biphenyl	92-52-4	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	100	1.1	0.0484	U	0.0463	U	0.0487	U	0.0453	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
1,3-Dichlorobenzene	541-73-1	49	280	560	17	2.4	0.0484	U	0.0463	U	0.0487	U	0.0453	U
1,4-Dichlorobenzene	106-46-7	13	130	250	9.8	1.8	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
2,4,5-Trichlorophenol	95-95-4	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2,4,6-Trichlorophenol	88-06-2	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2,4-Dichlorophenol	120-83-2	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2,4-Dimethylphenol	105-67-9	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2,4-Dinitrophenol	51-28-5	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
2,4-Dinitrotoluene	121-14-2	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2,6-Dinitrotoluene	606-20-2	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2-Chloronaphthalene	91-58-7	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2-Chlorophenol	95-57-8	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2-Methylnaphthalene	91-57-6	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2-Methylphenol	95-48-7	100	500	1000	100	0.33	0.0484	U	0.0463	U	0.0487	U	0.0453	U
2-Nitroaniline	88-74-4	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

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Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
2-Nitrophenol	88-75-5	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
3- & 4-Methylphenols	65794-96-9	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
3,3-Dichlorobenzidine	91-94-1	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
3-Nitroaniline	99-09-2	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
4,6-Dinitro-2-methylphenol	534-52-1	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
4-Bromophenyl phenyl ether	101-55-3	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
4-Chloro-3-methylphenol	59-50-7	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
4-Chloroaniline	106-47-8	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
4-Chlorophenyl phenyl ether	7005-72-3	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
4-Nitroaniline	100-01-6	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
4-Nitrophenol	100-02-7	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
Acenaphthene	83-32-9	100	500	1000	100	20	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Acenaphthylene	208-96-8	100	500	1000	100	100	0.0484	U	0.0463	U	0.0606	JD	0.0453	U
Acetophenone	98-86-2	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Aniline	62-53-3	~	~	~	~	~	0.193	U	0.185	U	0.194	U	0.181	U
Anthracene	120-12-7	100	500	1000	100	100	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Atrazine	1912-24-9	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Benzaldehyde	100-52-7	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Benzidine	92-87-5	~	~	~	~	~	0.193	U	0.185	U	0.194	U	0.181	U
Benzo(a)anthracene	56-55-3	1	5.6	11	1	1	0.0484	U	0.0463	U	0.166	D	0.0453	U
Benzo(a)pyrene	50-32-8	1	1	1.1	1	1	0.0484	U	0.0463	U	0.158	D	0.0453	U
Benzo(b)fluoranthene	205-99-2	1	5.6	11	1	1	0.0484	U	0.0463	U	0.117	D	0.0453	U
Benzo(g,h,i)perylene	191-24-2	100	500	1000	100	100	0.0484	U	0.0463	U	0.129	D	0.0453	U
Benzo(k)fluoranthene	207-08-9	3.9	56	110	1	0.8	0.0484	U	0.0463	U	0.141	D	0.0453	U
Benzoic acid	65-85-0	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Benzyl alcohol	100-51-6	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Benzyl butyl phthalate	85-68-7	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Bis(2-chloroethoxy)methane	111-91-1	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Bis(2-chloroethyl)ether	111-44-4	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Bis(2-chloroisopropyl)ether	108-60-1	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Bis(2-ethylhexyl)phthalate	117-81-7	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Caprolactam	105-60-2	~	~	~	~	~	0.0965	U	0.0924	U	0.0971	U	0.0903	U
Carbazole	86-74-8	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Chrysene	218-01-9	3.9	56	110	1	1	0.0484	U	0.0463	U	0.157	D	0.0453	U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.56	1.1	0.33	0.33	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Dibenzofuran	132-64-9	59	350	1000	14	7	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Diethyl phthalate	84-66-2	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Dimethyl phthalate	131-11-3	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Di-n-butyl phthalate	84-74-2	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Di-n-octyl phthalate	117-84-0	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Fluoranthene	206-44-0	100	500	1000	100	100	0.0484	U	0.0463	U	0.290	D	0.0453	U
Fluorene	86-73-7	100	500	1000	100	30	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Hexachlorobenzene	118-74-1	1.2	6	12	0.33	0.33	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Hexachlorocyclopentadiene	77-47-4	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Hexachloroethane	67-72-1	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	11	0.5	0.5	0.0484	U	0.0463	U	0.137	D	0.0453	U
Isophorone	78-59-1	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Naphthalene	91-20-3	100	500	1000	100	12	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Nitrobenzene	98-95-3	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U

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Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-2 (23-25) 18G1213-04 7/26/2018 10:15:00 AM Soil	SB-2 (19-19.5) 18G1213-05 7/26/2018 10:30:00 AM Soil	SB-3 (0-2) 18G1213-06 7/26/2018 1:00:00 PM Soil	SB-3 (23-25) 18G1213-07 7/26/2018 1:30:00 PM Soil				
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
N-Nitrosodimethylamine	62-75-9	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
N-nitroso-di-n-propylamine	621-64-7	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
N-Nitrosodiphenylamine	86-30-6	~	~	~	~	~	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Pentachlorophenol	87-86-5	6.7	6.7	55	2.4	0.8	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Phenanthrene	85-01-8	100	500	1000	100	100	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Phenol	108-95-2	100	500	1000	100	0.33	0.0484	U	0.0463	U	0.0487	U	0.0453	U
Pyrene	129-00-0	100	500	1000	100	100	0.0484	U	0.0463	U	0.241	D	0.0453	U
Pyridine	110-86-1	~	~	~	~	~	0.193	U	0.185	U	0.194	U	0.181	U
Pesticides, 8081 target list		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor							5		5		5		5	
4,4'-DDD	72-54-8	13	92	180	2.6	0.0033	0.00190	U	0.00183	U	0.00193	U	0.00179	U
4,4'-DDE	72-55-9	8.9	62	120	1.8	0.0033	0.00190	U	0.00183	U	0.00193	U	0.00179	U
4,4'-DDT	50-29-3	7.9	47	94	1.7	0.0033	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Aldrin	309-00-2	0.097	0.68	1.4	0.019	0.005	0.00190	U	0.00183	U	0.00193	U	0.00179	U
alpha-BHC	319-84-6	0.48	3.4	6.8	0.097	0.02	0.00190	U	0.00183	U	0.00193	U	0.00179	U
alpha-Chlordane	5103-71-9	4.2	24	47	0.91	0.094	0.00190	U	0.00183	U	0.00193	U	0.00179	U
beta-BHC	319-85-7	0.36	3	14	0.072	0.036	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Chlordane, total	57-74-9	~	~	~	~	~	0.0380	U	0.0365	U	0.0385	U	0.0358	U
delta-BHC	319-86-8	100	500	1000	100	0.04	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Dieldrin	60-57-1	0.2	1.4	2.8	0.039	0.005	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Endosulfan I	959-98-8	24	200	920	4.8	2.4	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Endosulfan II	33213-65-9	24	200	920	4.8	2.4	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Endosulfan sulfate	1031-07-8	24	200	920	4.8	2.4	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Endrin	72-20-8	11	89	410	2.2	0.014	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Endrin aldehyde	7421-93-4	~	~	~	~	~	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Endrin ketone	53494-70-5	~	~	~	~	~	0.00190	U	0.00183	U	0.00193	U	0.00179	U
gamma-BHC (Lindane)	58-89-9	1.3	9.2	23	0.28	0.1	0.00190	U	0.00183	U	0.00193	U	0.00179	U
gamma-Chlordane	5566-34-7	~	~	~	~	~	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Heptachlor	76-44-8	2.1	15	29	0.42	0.042	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Heptachlor epoxide	1024-57-3	~	~	~	~	~	0.00190	U	0.00183	U	0.00193	U	0.00179	U
Methoxychlor	72-43-5	~	~	~	~	~	0.00951	U	0.00913	U	0.00963	U	0.00895	U
Toxaphene	8001-35-2	~	~	~	~	~	0.0962	U	0.0924	U	0.0975	U	0.0906	U
Metals, Target Analyte		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor							1		1		1		1	
Aluminum	7429-90-5	~	~	~	~	~	3,240		4,960		11,100		6,140	
Antimony	7440-36-0	~	~	~	~	~	0.579	U	0.629		0.584	U	0.543	U
Arsenic	7440-38-2	16	16	16	16	13	1.160	U	1.110	U	3.300		1.090	U
Barium	7440-39-3	400	400	10000	350	350	30.200		44		80		50.600	
Beryllium	7440-41-7	72	590	2700	14	7.2	0.116	U	0.111	U	0.166		0.196	
Cadmium	7440-43-9	4.3	9.3	60	2.5	2.5	0.347	U	0.334	U	0.351	U	0.326	U
Calcium	7440-70-2	~	~	~	~	~	833		1,090		5,440		1,280	
Chromium	7440-47-3	~	~	~	~	~	8.560		15.500		18.700		12.200	
Cobalt	7440-48-4	~	~	~	~	~	4.460		7.120		7.290		7.820	
Copper	7440-50-8	270	270	10000	270	50	10.100		15.900		14.800		21.900	
Iron	7439-89-6	~	~	~	~	~	6,380	B	13,400	B	17,400	B	19,700	B
Lead	7439-92-1	400	1000	3900	400	63	2.460		5.580		96.800		4.020	
Magnesium	7439-95-4	~	~	~	~	~	1,110		1,660		2,120		2,470	
Manganese	7439-96-5	2000	10000	10000	2000	1600	99.600		375		366		243	
Nickel	7440-02-0	310	310	10000	140	30	9.150		15.100		13.300		18.500	

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-2 (23-25) 18G1213-04 7/26/2018 10:15:00 AM Soil		SB-2 (19-19.5) 18G1213-05 7/26/2018 10:30:00 AM Soil		SB-3 (0-2) 18G1213-06 7/26/2018 1:00:00 PM Soil		SB-3 (23-25) 18G1213-07 7/26/2018 1:30:00 PM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
Potassium	7440-09-7	~	~	~	~	~	616		945		658		561	
Selenium	7782-49-2	180	1500	6800	36	3.9	1.160	U	1.110	U	1.170	U	1.090	U
Silver	7440-22-4	180	1500	6800	36	2	0.579	U	0.556	U	0.584	U	0.543	U
Sodium	7440-23-5	~	~	~	~	~	213		166		168		85	
Thallium	7440-28-0	~	~	~	~	~	1.160	U	1.110	U	1.170	U	1.090	U
Vanadium	7440-62-2	~	~	~	~	~	11.800		19.800		25.800		14.600	
Zinc	7440-66-6	10000	10000	10000	2200	109	14.200		20.300		66.100		26	
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
Mercury	7439-97-6	0.81	2.8	5.7	0.81	0.18	0.0347	U	0.0334	U	0.0977		0.0326	U
Chromium, Hexavalent		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
Chromium, Hexavalent	18540-29-9	110	400	800	22	1	0.579	U	0.556	U	0.584	U	0.543	U
ORP (Oxidation-Reduction Potential)(Ag/AgCl)							mV		mV		mV		mV	
Dilution Factor							1		1		1		1	
ORP (Oxidation-Reduction Potent)		~	~	~	~	~	440		450		380		400	
pH							pH units		pH units		pH units		pH units	
Dilution Factor							1		1		1		1	
pH		~	~	~	~	~	7.200		7.160		8.080		7.890	
Total Solids							%		%		%		%	
Dilution Factor							1		1		1		1	
% Solids	solids	~	~	~	~	~	86.400		89.900		85.600		92	
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
Aroclor 1016	12674-11-2	~	~	~	~	~	0.0192	U	0.0184	U	0.0194	U	0.0181	U
Aroclor 1221	11104-28-2	~	~	~	~	~	0.0192	U	0.0184	U	0.0194	U	0.0181	U
Aroclor 1232	11141-16-5	~	~	~	~	~	0.0192	U	0.0184	U	0.0194	U	0.0181	U
Aroclor 1242	53469-21-9	~	~	~	~	~	0.0192	U	0.0184	U	0.0194	U	0.0181	U
Aroclor 1248	12672-29-6	~	~	~	~	~	0.0192	U	0.0184	U	0.0194	U	0.0181	U
Aroclor 1254	11097-69-1	~	~	~	~	~	0.0192	U	0.0184	U	0.0194	U	0.0181	U
Aroclor 1260	11096-82-5	~	~	~	~	~	0.0192	U	0.0184	U	0.0194	U	0.0181	U
Total PCBs	1336-36-3	1	1	25	1	0.1	0.0192	U	0.0184	U	0.0194	U	0.0246	

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limi

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

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

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-3 (7-8) 18G1213-08 7/26/2018 1:45:00 PM Soil		SB-4 (0-2) 18G1213-09 7/26/2018 11:30:00 AM Soil		SB-4 (23-25) 18G1213-10 7/26/2018 11:45:00 AM Soil		SB-4 (19-19.5) 18G1213-11 7/26/2018 11:55:00 AM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,1,1-Trichloroethane	71-55-6	100	500	1000	100	0.68	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,1,2-Trichloroethane	79-00-5	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,1-Dichloroethane	75-34-3	26	240	480	19	0.27	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,1-Dichloroethylene	75-35-4	100	500	1000	100	0.33	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,1-Dichloropropylene	563-58-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2,3-Trichloropropane	96-18-4	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2,4-Trimethylbenzene	95-63-6	52	190	380	47	3.6	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2-Dibromoethane	106-93-4	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	100	1.1	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2-Dichloroethane	107-06-2	3.1	30	60	2.3	0.02	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,2-Dichloropropane	78-87-5	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,3,5-Trimethylbenzene	108-67-8	52	190	380	47	8.4	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,3-Dichlorobenzene	541-73-1	49	280	560	17	2.4	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,3-Dichloropropane	142-28-9	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,4-Dichlorobenzene	106-46-7	13	130	250	9.8	1.8	0.00260	U	0.00250	U	0.00260	U	0.00200	U
1,4-Dioxane	123-91-1	13	130	250	9.8	0.1	0.0520	U	0.0500	U	0.0530	U	0.0400	U
2,2-Dichloropropane	594-20-7	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
2-Butanone	78-93-3	100	500	1000	100	0.12	0.00260	U	0.00250	U	0.00260	U	0.00260	J
2-Chlorotoluene	95-49-8	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
2-Hexanone	591-78-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
4-Chlorotoluene	106-43-4	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
4-Methyl-2-pentanone	108-10-1	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Acetone	67-64-1	100	500	1000	100	0.05	0.00520	U	0.00910	J	0.0180		0.0230	
Acrolein	107-02-8	~	~	~	~	~	0.00520	U	0.00500	U	0.00530	U	0.00400	U
Acrylonitrile	107-13-1	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Benzene	71-43-2	4.8	44	89	2.9	0.06	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Bromobenzene	108-86-1	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Bromochloromethane	74-97-5	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Bromodichloromethane	75-27-4	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Bromoform	75-25-2	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Bromomethane	74-83-9	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Carbon disulfide	75-15-0	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Carbon tetrachloride	56-23-5	2.4	22	44	1.4	0.76	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Chlorobenzene	108-90-7	100	500	1000	100	1.1	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Chloroethane	75-00-3	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Chloroform	67-66-3	49	350	700	10	0.37	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Chloromethane	74-87-3	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
cis-1,2-Dichloroethylene	156-59-2	100	500	1000	59	0.25	0.00260	U	0.00250	U	0.00260	U	0.00200	U
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Cyclohexane	110-82-7	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Dibromochloromethane	124-48-1	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U

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172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-3 (7-8) 18G1213-08 7/26/2018 1:45:00 PM Soil		SB-4 (0-2) 18G1213-09 7/26/2018 11:30:00 AM Soil		SB-4 (23-25) 18G1213-10 7/26/2018 11:45:00 AM Soil		SB-4 (19-19.5) 18G1213-11 7/26/2018 11:55:00 AM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
Dibromomethane	74-95-3	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Dichlorodifluoromethane	75-71-8	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Ethyl Benzene	100-41-4	41	390	780	30	1	0.00260	U	0.00250	U	0.00260	U	0.00710	
Hexachlorobutadiene	87-68-3	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Isopropylbenzene	98-82-8	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Methyl acetate	79-20-9	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	500	1000	62	0.93	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Methylcyclohexane	108-87-2	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Methylene chloride	75-09-2	100	500	1000	51	0.05	0.00520	U	0.00500	U	0.00570	J	0.00400	U
n-Butylbenzene	104-51-8	100	500	1000	100	12	0.00260	U	0.00250	U	0.00260	U	0.00200	U
n-Propylbenzene	103-65-1	100	500	1000	100	3.9	0.00260	U	0.00250	U	0.00260	U	0.00360	J
o-Xylene	95-47-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
p- & m- Xylenes	179601-23-1	~	~	~	~	~	0.00520	U	0.00500	U	0.00530	U	0.00400	U
p-Isopropyltoluene	99-87-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
sec-Butylbenzene	135-98-8	100	500	1000	100	11	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Styrene	100-42-5	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
tert-Butylbenzene	98-06-6	100	500	1000	100	5.9	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Tetrachloroethylene	127-18-4	19	150	300	5.5	1.3	0.00700		0.00370	J	0.00260	U	0.00200	U
Toluene	108-88-3	100	500	1000	100	0.7	0.00260	U	0.00250	U	0.00260	U	0.00200	U
trans-1,2-Dichloroethylene	156-60-5	100	500	1000	100	0.19	0.00260	U	0.00250	U	0.00260	U	0.00200	U
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
trans-1,4-dichloro-2-butene	110-57-6	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Trichloroethylene	79-01-6	21	200	400	10	0.47	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Trichlorofluoromethane	75-69-4	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Vinyl acetate	108-05-4	~	~	~	~	~	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Vinyl Chloride	75-01-4	0.9	13	27	0.21	0.02	0.00260	U	0.00250	U	0.00260	U	0.00200	U
Xylenes, Total	1330-20-7	100	500	1000	100	0.26	0.00780	U	0.00750	U	0.00790	U	0.00590	U
Semi-Volatiles, 8270 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor							2		2		2		2	
1,1-Biphenyl	92-52-4	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	100	1.1	0.0470	U	0.0442	U	0.0450	U	0.0446	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
1,3-Dichlorobenzene	541-73-1	49	280	560	17	2.4	0.0470	U	0.0442	U	0.0450	U	0.0446	U
1,4-Dichlorobenzene	106-46-7	13	130	250	9.8	1.8	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
2,4,5-Trichlorophenol	95-95-4	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2,4,6-Trichlorophenol	88-06-2	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2,4-Dichlorophenol	120-83-2	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2,4-Dimethylphenol	105-67-9	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2,4-Dinitrophenol	51-28-5	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
2,4-Dinitrotoluene	121-14-2	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2,6-Dinitrotoluene	606-20-2	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2-Chloronaphthalene	91-58-7	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2-Chlorophenol	95-57-8	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2-Methylnaphthalene	91-57-6	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2-Methylphenol	95-48-7	100	500	1000	100	0.33	0.0470	U	0.0442	U	0.0450	U	0.0446	U
2-Nitroaniline	88-74-4	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-3 (7-8) 18G1213-08 7/26/2018 1:45:00 PM Soil		SB-4 (0-2) 18G1213-09 7/26/2018 11:30:00 AM Soil		SB-4 (23-25) 18G1213-10 7/26/2018 11:45:00 AM Soil		SB-4 (19-19.5) 18G1213-11 7/26/2018 11:55:00 AM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
2-Nitrophenol	88-75-5	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
3- & 4-Methylphenols	65794-96-9	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
3,3-Dichlorobenzidine	91-94-1	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
3-Nitroaniline	99-09-2	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
4,6-Dinitro-2-methylphenol	534-52-1	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
4-Bromophenyl phenyl ether	101-55-3	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
4-Chloro-3-methylphenol	59-50-7	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
4-Chloroaniline	106-47-8	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
4-Chlorophenyl phenyl ether	7005-72-3	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
4-Nitroaniline	100-01-6	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
4-Nitrophenol	100-02-7	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
Acenaphthene	83-32-9	100	500	1000	100	20	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Acenaphthylene	208-96-8	100	500	1000	100	100	0.118	D	0.0442	U	0.0450	U	0.0446	U
Acetophenone	98-86-2	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Aniline	62-53-3	~	~	~	~	~	0.188	U	0.177	U	0.180	U	0.178	U
Anthracene	120-12-7	100	500	1000	100	100	0.0638	JD	0.0442	U	0.0450	U	0.0446	U
Atrazine	1912-24-9	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Benzaldehyde	100-52-7	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Benzidine	92-87-5	~	~	~	~	~	0.188	U	0.177	U	0.180	U	0.178	U
Benzo(a)anthracene	56-55-3	1	5.6	11	1	1	0.0525	JD	0.156	D	0.0450	U	0.0446	U
Benzo(a)pyrene	50-32-8	1	1	1.1	1	1	0.0470	U	0.156	D	0.0450	U	0.0446	U
Benzo(b)fluoranthene	205-99-2	1	5.6	11	1	1	0.0470	U	0.155	D	0.0450	U	0.0446	U
Benzo(g,h,i)perylene	191-24-2	100	500	1000	100	100	0.0470	U	0.142	D	0.0450	U	0.0446	U
Benzo(k)fluoranthene	207-08-9	3.9	56	110	1	0.8	0.0470	U	0.151	D	0.0450	U	0.0446	U
Benzoic acid	65-85-0	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Benzyl alcohol	100-51-6	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Benzyl butyl phthalate	85-68-7	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Bis(2-chloroethoxy)methane	111-91-1	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Bis(2-chloroethyl)ether	111-44-4	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Bis(2-chloroisopropyl)ether	108-60-1	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Bis(2-ethylhexyl)phthalate	117-81-7	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Caprolactam	105-60-2	~	~	~	~	~	0.0938	U	0.0882	U	0.0898	U	0.0889	U
Carbazole	86-74-8	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Chrysene	218-01-9	3.9	56	110	1	1	0.0548	JD	0.154	D	0.0450	U	0.0446	U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.56	1.1	0.33	0.33	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Dibenzofuran	132-64-9	59	350	1000	14	7	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Diethyl phthalate	84-66-2	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Dimethyl phthalate	131-11-3	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Di-n-butyl phthalate	84-74-2	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Di-n-octyl phthalate	117-84-0	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Fluoranthene	206-44-0	100	500	1000	100	100	0.0645	JD	0.317	D	0.0450	U	0.0446	U
Fluorene	86-73-7	100	500	1000	100	30	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Hexachlorobenzene	118-74-1	1.2	6	12	0.33	0.33	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Hexachlorocyclopentadiene	77-47-4	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Hexachloroethane	67-72-1	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	11	0.5	0.5	0.0470	U	0.123	D	0.0450	U	0.0446	U
Isophorone	78-59-1	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Naphthalene	91-20-3	100	500	1000	100	12	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Nitrobenzene	98-95-3	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-3 (7-8) 18G1213-08 7/26/2018 1:45:00 PM Soil		SB-4 (0-2) 18G1213-09 7/26/2018 11:30:00 AM Soil		SB-4 (23-25) 18G1213-10 7/26/2018 11:45:00 AM Soil		SB-4 (19-19.5) 18G1213-11 7/26/2018 11:55:00 AM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
N-Nitrosodimethylamine	62-75-9	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
N-nitroso-di-n-propylamine	621-64-7	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
N-Nitrosodiphenylamine	86-30-6	~	~	~	~	~	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Pentachlorophenol	87-86-5	6.7	6.7	55	2.4	0.8	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Phenanthrene	85-01-8	100	500	1000	100	100	0.0548	JD	0.131	D	0.0450	U	0.0446	U
Phenol	108-95-2	100	500	1000	100	0.33	0.0470	U	0.0442	U	0.0450	U	0.0446	U
Pyrene	129-00-0	100	500	1000	100	100	0.0470	U	0.235	D	0.0450	U	0.0446	U
Pyridine	110-86-1	~	~	~	~	~	0.188	U	0.177	U	0.180	U	0.178	U
Pesticides, 8081 target list		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							5		5		5		5	
4,4'-DDD	72-54-8	13	92	180	2.6	0.0033	0.00185	U	0.00174	U	0.00177	U	0.00176	U
4,4'-DDE	72-55-9	8.9	62	120	1.8	0.0033	0.00185	U	0.00174	U	0.00177	U	0.00176	U
4,4'-DDT	50-29-3	7.9	47	94	1.7	0.0033	0.00185	U	0.00353	D	0.00177	U	0.00176	U
Aldrin	309-00-2	0.097	0.68	1.4	0.019	0.005	0.00185	U	0.00174	U	0.00177	U	0.00176	U
alpha-BHC	319-84-6	0.48	3.4	6.8	0.097	0.02	0.00185	U	0.00174	U	0.00177	U	0.00176	U
alpha-Chlordane	5103-71-9	4.2	24	47	0.91	0.094	0.00185	U	0.0249	DP	0.00177	U	0.00176	U
beta-BHC	319-85-7	0.36	3	14	0.072	0.036	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Chlordane, total	57-74-9	~	~	~	~	~	0.0370	U	0.0431	D	0.0354	U	0.0351	U
delta-BHC	319-86-8	100	500	1000	100	0.04	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Dieldrin	60-57-1	0.2	1.4	2.8	0.039	0.005	0.00185	U	0.00451	D	0.00177	U	0.00176	U
Endosulfan I	959-98-8	24	200	920	4.8	2.4	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Endosulfan II	33213-65-9	24	200	920	4.8	2.4	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Endosulfan sulfate	1031-07-8	24	200	920	4.8	2.4	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Endrin	72-20-8	11	89	410	2.2	0.014	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Endrin aldehyde	7421-93-4	~	~	~	~	~	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Endrin ketone	53494-70-5	~	~	~	~	~	0.00185	U	0.00174	U	0.00177	U	0.00176	U
gamma-BHC (Lindane)	58-89-9	1.3	9.2	23	0.28	0.1	0.00185	U	0.00174	U	0.00177	U	0.00176	U
gamma-Chlordane	5566-34-7	~	~	~	~	~	0.00185	U	0.0182	D	0.00177	U	0.00176	U
Heptachlor	76-44-8	2.1	15	29	0.42	0.042	0.00185	U	0.00331	DP	0.00177	U	0.00176	U
Heptachlor epoxide	1024-57-3	~	~	~	~	~	0.00185	U	0.00174	U	0.00177	U	0.00176	U
Methoxychlor	72-43-5	~	~	~	~	~	0.00926	U	0.00872	U	0.00884	U	0.00879	U
Toxaphene	8001-35-2	~	~	~	~	~	0.0937	U	0.0883	U	0.0895	U	0.0889	U
Metals, Target Analyte		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
Aluminum	7429-90-5	~	~	~	~	~	7,130		5,340		2,810		4,980	
Antimony	7440-36-0	~	~	~	~	~	0.597		0.530	U	0.538	U	0.639	
Arsenic	7440-38-2	16	16	16	16	13	1.130	U	4.270		1.080	U	1.070	U
Barium	7440-39-3	400	400	10000	350	350	62.700		42.200		21.900		37.300	
Beryllium	7440-41-7	72	590	2700	14	7.2	0.113	U	0.106	U	0.108	U	0.107	U
Cadmium	7440-43-9	4.3	9.3	60	2.5	2.5	0.338	U	0.772		0.323	U	0.320	U
Calcium	7440-70-2	~	~	~	~	~	14,300		30,300		1,320		915	
Chromium	7440-47-3	~	~	~	~	~	11,900		14,800		8,850		13,200	
Cobalt	7440-48-4	~	~	~	~	~	5,260		4,960		4,370		5,850	
Copper	7440-50-8	270	270	10000	270	50	33		29,600		11,700		13,500	
Iron	7439-89-6	~	~	~	~	~	11,400	B	9,920	B	8,650	B	11,700	B
Lead	7439-92-1	400	1000	3900	400	63	211		82.300		2,490		3,060	
Magnesium	7439-95-4	~	~	~	~	~	5,080		4,130		1,250		1,730	
Manganese	7439-96-5	2000	10000	10000	2000	1600	224		192		568		220	
Nickel	7440-02-0	310	310	10000	140	30	11.500		12.900		15		13.200	

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-3 (7-8) 18G1213-08 7/26/2018 1:45:00 PM Soil	SB-4 (0-2) 18G1213-09 7/26/2018 11:30:00 AM Soil	SB-4 (23-25) 18G1213-10 7/26/2018 11:45:00 AM Soil	SB-4 (19-19.5) 18G1213-11 7/26/2018 11:55:00 AM Soil				
Compound	CAS Number						Result	Q	Result	Q	Result	Q	Result	Q
Potassium	7440-09-7	~	~	~	~	~	630		708		549		1,090	
Selenium	7782-49-2	180	1500	6800	36	3.9	1.130	U	1.060	U	1.080	U	1.070	U
Silver	7440-22-4	180	1500	6800	36	2	0.563	U	0.530	U	0.538	U	0.533	U
Sodium	7440-23-5	~	~	~	~	~	553		141		181		96	
Thallium	7440-28-0	~	~	~	~	~	1.130	U	1.060	U	1.080	U	1.070	U
Vanadium	7440-62-2	~	~	~	~	~	18.700		14.900		9.540		16.800	
Zinc	7440-66-6	10000	10000	10000	2200	109	68.600		74.100		13.800		22.100	
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
Mercury	7439-97-6	0.81	2.8	5.7	0.81	0.18	0.181		0.109		0.0323	U	0.0320	U
Chromium, Hexavalent		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
Chromium, Hexavalent	18540-29-9	110	400	800	22	1	0.563	U	0.530	U	0.538	U	0.533	U
ORP (Oxidation-Reduction Potential)(Ag/AgCl)							mV		mV		mV		mV	
Dilution Factor							1		1		1		1	
ORP (Oxidation-Reduction Potent)		~	~	~	~	~	350		240		300		340	
pH							pH units		pH units		pH units		pH units	
Dilution Factor							1		1		1		1	
pH		~	~	~	~	~	8.550		8.800		7.740		7.760	
Total Solids							%		%		%		%	
Dilution Factor							1		1		1		1	
% Solids	solids	~	~	~	~	~	88.900		94.300		92.900		93.800	
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1		1	
Aroclor 1016	12674-11-2	~	~	~	~	~	0.0187	U	0.0176	U	0.0179	U	0.0177	U
Aroclor 1221	11104-28-2	~	~	~	~	~	0.0187	U	0.0176	U	0.0179	U	0.0177	U
Aroclor 1232	11141-16-5	~	~	~	~	~	0.0187	U	0.0176	U	0.0179	U	0.0177	U
Aroclor 1242	53469-21-9	~	~	~	~	~	0.0187	U	0.0176	U	0.0179	U	0.0177	U
Aroclor 1248	12672-29-6	~	~	~	~	~	0.0187	U	0.0176	U	0.0179	U	0.0177	U
Aroclor 1254	11097-69-1	~	~	~	~	~	0.0187	U	0.0176	U	0.0179	U	0.0177	U
Aroclor 1260	11096-82-5	~	~	~	~	~	0.0187	U	0.0176	U	0.0179	U	0.0177	U
Total PCBs	1336-36-3	1	1	25	1	0.1	0.0187	U	0.0176	U	0.0179	U	0.0177	U

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limi

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

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

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-5 (0-2) 18G1213-12 7/26/2018 5:00:00 PM Soil	SB-5 (23-25) 18G1213-13 7/26/2018 5:00:00 PM Soil	SB-5 (10-15) 18G1213-14 7/26/2018 6:00:00 PM Soil			
Compound	CAS Number						Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,1,1-Trichloroethane	71-55-6	100	500	1000	100	0.68	0.00300	U	0.00250	U	0.00270	U
1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,1,2-Trichloroethane	79-00-5	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,1-Dichloroethane	75-34-3	26	240	480	19	0.27	0.00300	U	0.00250	U	0.00270	U
1,1-Dichloroethylene	75-35-4	100	500	1000	100	0.33	0.00300	U	0.00250	U	0.00270	U
1,1-Dichloropropylene	563-58-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,2,3-Trichlorobenzene	87-61-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,2,3-Trichloropropane	96-18-4	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,2,4-Trimethylbenzene	95-63-6	52	190	380	47	3.6	0.00300	U	0.00250	U	0.00270	U
1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,2-Dibromoethane	106-93-4	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	100	1.1	0.00300	U	0.00250	U	0.00270	U
1,2-Dichloroethane	107-06-2	3.1	30	60	2.3	0.02	0.00300	U	0.00250	U	0.00270	U
1,2-Dichloropropane	78-87-5	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,3,5-Trimethylbenzene	108-67-8	52	190	380	47	8.4	0.00300	U	0.00250	U	0.00270	U
1,3-Dichlorobenzene	541-73-1	49	280	560	17	2.4	0.00300	U	0.00250	U	0.00270	U
1,3-Dichloropropane	142-28-9	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
1,4-Dichlorobenzene	106-46-7	13	130	250	9.8	1.8	0.00300	U	0.00250	U	0.00270	U
1,4-Dioxane	123-91-1	13	130	250	9.8	0.1	0.0600	U	0.0500	U	0.0540	U
2,2-Dichloropropane	594-20-7	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
2-Butanone	78-93-3	100	500	1000	100	0.12	0.00300	U	0.00400	J	0.00270	U
2-Chlorotoluene	95-49-8	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
2-Hexanone	591-78-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
4-Chlorotoluene	106-43-4	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
4-Methyl-2-pentanone	108-10-1	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Acetone	67-64-1	100	500	1000	100	0.05	0.00600	U	0.0270		0.0320	
Acrolein	107-02-8	~	~	~	~	~	0.00600	U	0.00500	U	0.00540	U
Acrylonitrile	107-13-1	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Benzene	71-43-2	4.8	44	89	2.9	0.06	0.00300	U	0.00250	U	0.00270	U
Bromobenzene	108-86-1	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Bromochloromethane	74-97-5	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Bromodichloromethane	75-27-4	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Bromoform	75-25-2	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Bromomethane	74-83-9	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Carbon disulfide	75-15-0	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Carbon tetrachloride	56-23-5	2.4	22	44	1.4	0.76	0.00300	U	0.00250	U	0.00270	U
Chlorobenzene	108-90-7	100	500	1000	100	1.1	0.00300	U	0.00250	U	0.00270	U
Chloroethane	75-00-3	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Chloroform	67-66-3	49	350	700	10	0.37	0.00300	U	0.00250	U	0.00270	U
Chloromethane	74-87-3	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
cis-1,2-Dichloroethylene	156-59-2	100	500	1000	59	0.25	0.00300	U	0.00250	U	0.00270	U
cis-1,3-Dichloropropylene	10061-01-5	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Cyclohexane	110-82-7	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Dibromochloromethane	124-48-1	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-5 (0-2) 18G1213-12 7/26/2018 5:00:00 PM Soil	SB-5 (23-25) 18G1213-13 7/26/2018 5:30:00 PM Soil	SB-5 (10-15) 18G1213-14 7/26/2018 6:00:00 PM Soil			
Compound	CAS Number						Result	Q	Result	Q	Result	Q
Dibromomethane	74-95-3	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Dichlorodifluoromethane	75-71-8	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Ethyl Benzene	100-41-4	41	390	780	30	1	0.00300	U	0.00250	U	0.00270	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Isopropylbenzene	98-82-8	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Methyl acetate	79-20-9	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	500	1000	62	0.93	0.00300	U	0.00250	U	0.00270	U
Methylcyclohexane	108-87-2	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Methylene chloride	75-09-2	100	500	1000	51	0.05	0.00600	U	0.00500	U	0.00540	U
n-Butylbenzene	104-51-8	100	500	1000	100	12	0.00300	U	0.00250	U	0.00270	U
n-Propylbenzene	103-65-1	100	500	1000	100	3.9	0.00300	U	0.00250	U	0.00270	U
o-Xylene	95-47-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
p- & m- Xylenes	179601-23-1	~	~	~	~	~	0.00600	U	0.00500	U	0.00540	U
p-Isopropyltoluene	99-87-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
sec-Butylbenzene	135-98-8	100	500	1000	100	11	0.00300	U	0.00250	U	0.00270	U
Styrene	100-42-5	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
tert-Butyl alcohol (TBA)	75-65-0	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
tert-Butylbenzene	98-06-6	100	500	1000	100	5.9	0.00300	U	0.00250	U	0.00270	U
Tetrachloroethylene	127-18-4	19	150	300	5.5	1.3	0.00300	U	0.00250	U	0.00270	U
Toluene	108-88-3	100	500	1000	100	0.7	0.00300	U	0.00250	U	0.00270	U
trans-1,2-Dichloroethylene	156-60-5	100	500	1000	100	0.19	0.00300	U	0.00250	U	0.00270	U
trans-1,3-Dichloropropylene	10061-02-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
trans-1,4-dichloro-2-butene	110-57-6	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Trichloroethylene	79-01-6	21	200	400	10	0.47	0.00300	U	0.00250	U	0.00270	U
Trichlorofluoromethane	75-69-4	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Vinyl acetate	108-05-4	~	~	~	~	~	0.00300	U	0.00250	U	0.00270	U
Vinyl Chloride	75-01-4	0.9	13	27	0.21	0.02	0.00300	U	0.00250	U	0.00270	U
Xylenes, Total	1330-20-7	100	500	1000	100	0.26	0.00900	U	0.00750	U	0.00810	U
Semi-Volatiles, 8270 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							2		2		2	
1,1-Biphenyl	92-52-4	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
1,2,4-Trichlorobenzene	120-82-1	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
1,2-Dichlorobenzene	95-50-1	100	500	1000	100	1.1	0.0502	U	0.0445	U	0.0441	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
1,3-Dichlorobenzene	541-73-1	49	280	560	17	2.4	0.0502	U	0.0445	U	0.0441	U
1,4-Dichlorobenzene	106-46-7	13	130	250	9.8	1.8	0.0502	U	0.0445	U	0.0441	U
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
2,4,5-Trichlorophenol	95-95-4	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2,4,6-Trichlorophenol	88-06-2	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2,4-Dichlorophenol	120-83-2	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2,4-Dimethylphenol	105-67-9	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2,4-Dinitrophenol	51-28-5	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
2,4-Dinitrotoluene	121-14-2	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2,6-Dinitrotoluene	606-20-2	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2-Chloronaphthalene	91-58-7	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2-Chlorophenol	95-57-8	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2-Methylnaphthalene	91-57-6	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
2-Methylphenol	95-48-7	100	500	1000	100	0.33	0.0502	U	0.0445	U	0.0441	U
2-Nitroaniline	88-74-4	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-5 (0-2) 18G1213-12 7/26/2018 5:00:00 PM Soil		SB-5 (23-25) 18G1213-13 7/26/2018 5:30:00 PM Soil		SB-5 (10-15) 18G1213-14 7/26/2018 6:00:00 PM Soil	
Compound	CAS Number						Result	Q	Result	Q	Result	Q
2-Nitrophenol	88-75-5	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
3- & 4-Methylphenols	65794-96-9	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
3,3-Dichlorobenzidine	91-94-1	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
3-Nitroaniline	99-09-2	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
4,6-Dinitro-2-methylphenol	534-52-1	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
4-Bromophenyl phenyl ether	101-55-3	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
4-Chloro-3-methylphenol	59-50-7	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
4-Chloroaniline	106-47-8	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
4-Chlorophenyl phenyl ether	7005-72-3	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
4-Nitroaniline	100-01-6	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
4-Nitrophenol	100-02-7	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
Acenaphthene	83-32-9	100	500	1000	100	20	0.0502	U	0.0445	U	0.0441	U
Acenaphthylene	208-96-8	100	500	1000	100	100	0.0552	JD	0.0445	U	0.0441	U
Acetophenone	98-86-2	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Aniline	62-53-3	~	~	~	~	~	0.200	U	0.178	U	0.176	U
Anthracene	120-12-7	100	500	1000	100	100	0.0502	U	0.0445	U	0.0441	U
Atrazine	1912-24-9	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Benzaldehyde	100-52-7	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Benzidine	92-87-5	~	~	~	~	~	0.200	U	0.178	U	0.176	U
Benzo(a)anthracene	56-55-3	1	5.6	11	1	1	0.214	D	0.0445	U	0.0441	U
Benzo(a)pyrene	50-32-8	1	1	1.1	1	1	0.207	D	0.0445	U	0.0441	U
Benzo(b)fluoranthene	205-99-2	1	5.6	11	1	1	0.195	D	0.0445	U	0.0441	U
Benzo(g,h,i)perylene	191-24-2	100	500	1000	100	100	0.148	D	0.0445	U	0.0441	U
Benzo(k)fluoranthene	207-08-9	3.9	56	110	1	0.8	0.184	D	0.0445	U	0.0441	U
Benzoic acid	65-85-0	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Benzyl alcohol	100-51-6	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Benzyl butyl phthalate	85-68-7	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Bis(2-chloroethoxy)methane	111-91-1	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Bis(2-chloroethyl)ether	111-44-4	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Bis(2-chloroisopropyl)ether	108-60-1	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Bis(2-ethylhexyl)phthalate	117-81-7	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Caprolactam	105-60-2	~	~	~	~	~	0.100	U	0.0889	U	0.0879	U
Carbazole	86-74-8	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Chrysene	218-01-9	3.9	56	110	1	1	0.194	D	0.0445	U	0.0441	U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.56	1.1	0.33	0.33	0.0502	U	0.0445	U	0.0441	U
Dibenzofuran	132-64-9	59	350	1000	14	7	0.0502	U	0.0445	U	0.0441	U
Diethyl phthalate	84-66-2	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Dimethyl phthalate	131-11-3	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Di-n-butyl phthalate	84-74-2	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Di-n-octyl phthalate	117-84-0	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Fluoranthene	206-44-0	100	500	1000	100	100	0.359	D	0.0445	U	0.0441	U
Fluorene	86-73-7	100	500	1000	100	30	0.0502	U	0.0445	U	0.0441	U
Hexachlorobenzene	118-74-1	1.2	6	12	0.33	0.33	0.0502	U	0.0445	U	0.0441	U
Hexachlorobutadiene	87-68-3	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Hexachlorocyclopentadiene	77-47-4	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Hexachloroethane	67-72-1	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	11	0.5	0.5	0.146	D	0.0445	U	0.0441	U
Isophorone	78-59-1	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Naphthalene	91-20-3	100	500	1000	100	12	0.0502	U	0.0445	U	0.0441	U
Nitrobenzene	98-95-3	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-5 (0-2) 18G1213-12 7/26/2018 5:00:00 PM Soil	SB-5 (23-25) 18G1213-13 7/26/2018 5:30:00 PM Soil	SB-5 (10-15) 18G1213-14 7/26/2018 6:00:00 PM Soil			
Compound	CAS Number						Result	Q	Result	Q	Result	Q
N-Nitrosodimethylamine	62-75-9	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
N-nitroso-di-n-propylamine	621-64-7	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
N-Nitrosodiphenylamine	86-30-6	~	~	~	~	~	0.0502	U	0.0445	U	0.0441	U
Pentachlorophenol	87-86-5	6.7	6.7	55	2.4	0.8	0.0502	U	0.0445	U	0.0441	U
Phenanthrene	85-01-8	100	500	1000	100	100	0.102	D	0.0445	U	0.0441	U
Phenol	108-95-2	100	500	1000	100	0.33	0.0502	U	0.0445	U	0.0441	U
Pyrene	129-00-0	100	500	1000	100	100	0.339	D	0.0445	U	0.0441	U
Pyridine	110-86-1	~	~	~	~	~	0.200	U	0.178	U	0.176	U
Pesticides, 8081 target list		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							5		5		5	
4,4'-DDD	72-54-8	13	92	180	2.6	0.0033	0.00198	U	0.00175	U	0.00174	U
4,4'-DDE	72-55-9	8.9	62	120	1.8	0.0033	0.00198	U	0.00175	U	0.00174	U
4,4'-DDT	50-29-3	7.9	47	94	1.7	0.0033	0.00198	U	0.00175	U	0.00174	U
Aldrin	309-00-2	0.097	0.68	1.4	0.019	0.005	0.00198	U	0.00175	U	0.00174	U
alpha-BHC	319-84-6	0.48	3.4	6.8	0.097	0.02	0.00198	U	0.00175	U	0.00174	U
alpha-Chlordane	5103-71-9	4.2	24	47	0.91	0.094	0.00198	U	0.00175	U	0.00174	U
beta-BHC	319-85-7	0.36	3	14	0.072	0.036	0.00198	U	0.00175	U	0.00174	U
Chlordane, total	57-74-9	~	~	~	~	~	0.0395	U	0.0351	U	0.0349	U
delta-BHC	319-86-8	100	500	1000	100	0.04	0.00198	U	0.00175	U	0.00174	U
Dieldrin	60-57-1	0.2	1.4	2.8	0.039	0.005	0.00198	U	0.00175	U	0.00174	U
Endosulfan I	959-98-8	24	200	920	4.8	2.4	0.00198	U	0.00175	U	0.00174	U
Endosulfan II	33213-65-9	24	200	920	4.8	2.4	0.00198	U	0.00175	U	0.00174	U
Endosulfan sulfate	1031-07-8	24	200	920	4.8	2.4	0.00198	U	0.00175	U	0.00174	U
Endrin	72-20-8	11	89	410	2.2	0.014	0.00198	U	0.00175	U	0.00174	U
Endrin aldehyde	7421-93-4	~	~	~	~	~	0.00198	U	0.00175	U	0.00174	U
Endrin ketone	53494-70-5	~	~	~	~	~	0.00198	U	0.00175	U	0.00174	U
gamma-BHC (Lindane)	58-89-9	1.3	9.2	23	0.28	0.1	0.00198	U	0.00175	U	0.00174	U
gamma-Chlordane	5566-34-7	~	~	~	~	~	0.00198	U	0.00175	U	0.00174	U
Heptachlor	76-44-8	2.1	15	29	0.42	0.042	0.00198	U	0.00175	U	0.00174	U
Heptachlor epoxide	1024-57-3	~	~	~	~	~	0.00198	U	0.00175	U	0.00174	U
Methoxychlor	72-43-5	~	~	~	~	~	0.00988	U	0.00876	U	0.00872	U
Toxaphene	8001-35-2	~	~	~	~	~	0.100	U	0.0887	U	0.0882	U
Metals, Target Analyte		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
Aluminum	7429-90-5	~	~	~	~	~	11,300		6,310		6,380	
Antimony	7440-36-0	~	~	~	~	~	0.853		1.280		1.110	
Arsenic	7440-38-2	16	16	16	16	13	4.010		1.070	U	1.060	U
Barium	7440-39-3	400	400	10000	350	350	77.800		54.800		44.300	
Beryllium	7440-41-7	72	590	2700	14	7.2	0.120	U	0.107	U	0.106	U
Cadmium	7440-43-9	4.3	9.3	60	4.3	2.5	0.444		0.320	U	0.317	U
Calcium	7440-70-2	~	~	~	~	~	11,300		2,610		1,700	
Chromium	7440-47-3	~	~	~	~	~	21.900		21.200		15.200	
Cobalt	7440-48-4	~	~	~	~	~	9.040		7.210		9.830	
Copper	7440-50-8	270	270	10000	270	50	59.200		21.800		24.900	
Iron	7439-89-6	~	~	~	~	~	20,300	B	13,800	B	14,000	B
Lead	7439-92-1	400	1000	3900	400	63	238		10.600		5.560	
Magnesium	7439-95-4	~	~	~	~	~	3,160		2,470		2,500	
Manganese	7439-96-5	2000	10000	10000	2000	1600	412		273		359	
Nickel	7440-02-0	310	310	10000	140	30	16.400		16.200		21.300	

Table 2 : SOIL SAMPLE RESULTS SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-5 (0-2) 18G1213-12 7/26/2018 5:00:00 PM Soil	SB-5 (23-25) 18G1213-13 7/26/2018 5:30:00 PM Soil	SB-5 (10-15) 18G1213-14 7/26/2018 6:00:00 PM Soil			
Compound	CAS Number						Result	Q	Result	Q	Result	Q
Potassium	7440-09-7	~	~	~	~	~	860		1,170		1,230	
Selenium	7782-49-2	180	1500	6800	36	3.9	1.200	U	1.070	U	1.060	U
Silver	7440-22-4	180	1500	6800	36	2	0.600	U	0.533	U	0.529	U
Sodium	7440-23-5	~	~	~	~	~	231		298		231	
Thallium	7440-28-0	~	~	~	~	~	1.200	U	1.070	U	1.060	U
Vanadium	7440-62-2	~	~	~	~	~	29.300		18.500		22.300	
Zinc	7440-66-6	10000	10000	10000	2200	109	162		24.900		24.800	
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
Mercury	7439-97-6	0.81	2.8	5.7	0.81	0.18	0.118		0.0320	U	0.0317	U
Chromium, Hexavalent		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
Chromium, Hexavalent	18540-29-9	110	400	800	22	1	0.600	U	0.533	U	0.529	U
ORP (Oxidation-Reduction Potential)(Ag/AgCl)							mV		mV		mV	
Dilution Factor							1		1		1	
ORP (Oxidation-Reduction Potent)		~	~	~	~	~	300		260		230	
pH							pH units		pH units		pH units	
Dilution Factor							1		1		1	
pH		~	~	~	~	~	8.520		8.880		8.610	
Total Solids							%		%		%	
Dilution Factor							1		1		1	
% Solids	solids	~	~	~	~	~	83.300		93.900		94.500	
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg	
Dilution Factor							1		1		1	
Aroclor 1016	12674-11-2	~	~	~	~	~	0.0199	U	0.0177	U	0.0176	U
Aroclor 1221	11104-28-2	~	~	~	~	~	0.0199	U	0.0177	U	0.0176	U
Aroclor 1232	11141-16-5	~	~	~	~	~	0.0199	U	0.0177	U	0.0176	U
Aroclor 1242	53469-21-9	~	~	~	~	~	0.0199	U	0.0177	U	0.0176	U
Aroclor 1248	12672-29-6	~	~	~	~	~	0.0199	U	0.0177	U	0.0176	U
Aroclor 1254	11097-69-1	~	~	~	~	~	0.0199	U	0.0177	U	0.0176	U
Aroclor 1260	11096-82-5	~	~	~	~	~	0.0199	U	0.0177	U	0.0176	U
Total PCBs	1336-36-3	1	1	25	1	0.1	0.0199	U	0.0177	U	0.0176	U

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limi

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

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

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive		ug/L	ug/L	ug/L		ug/L		ug/L		ug/L
Dilution Factor			1			1		5		1
1,1,1,2-Tetrachloroethane	630-20-6	5	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1-Trichloroethane	71-55-6	5	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2-Trichloroethane	79-00-5	1	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethane	75-34-3	5	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethylene	75-35-4	5	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloropropylene	563-58-6	5	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichlorobenzene	87-61-6	5	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichloropropane	96-18-4	0.04	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trichlorobenzene	120-82-1	5	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trimethylbenzene	95-63-6	5	1.500		0.200	U	9.700		0.200	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dibromoethane	106-93-4	0.0006	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichlorobenzene	95-50-1	3	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloroethane	107-06-2	0.6	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloropropane	78-87-5	1	0.200	U	0.200	U	0.200	U	0.200	U
1,3,5-Trimethylbenzene	108-67-8	5	1.800		0.200	U	2.100		0.200	U
1,3-Dichlorobenzene	541-73-1	3	0.200	U	0.200	U	0.200	U	0.200	U
1,3-Dichloropropane	142-28-9	5	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dichlorobenzene	106-46-7	3	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dioxane	123-91-1	~	40	U	40	U	40	U	40	U
2,2-Dichloropropane	594-20-7	5	0.200	U	0.200	U	0.200	U	0.200	U
2-Butanone	78-93-3	50	2.700		0.200	U	3		0.200	U
2-Chlorotoluene	95-49-8	5	0.200	U	0.200	U	0.200	U	0.200	U
2-Hexanone	591-78-6	50	0.200	U	0.200	U	0.200	U	0.200	U
4-Chlorotoluene	106-43-4	5	0.200	U	0.200	U	0.200	U	0.200	U
4-Methyl-2-pentanone	108-10-1	~	0.200	U	0.200	U	0.200	U	0.200	U
Acetone	67-64-1	50	3.500		1	U	1	U	1	U
Acrolein	107-02-8	~	0.200	U	0.200	U	0.200	U	0.200	U
Acrylonitrile	107-13-1	~	0.200	U	0.200	U	0.200	U	0.200	U

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Benzene	71-43-2	1	0.200	U	0.200	U	0.200	U	0.200	U
Bromobenzene	108-86-1	5	0.200	U	0.200	U	0.200	U	0.200	U
Bromochloromethane	74-97-5	5	0.200	U	0.200	U	0.200	U	0.200	U
Bromodichloromethane	75-27-4	50	0.200	U	0.200	U	0.200	U	0.200	U
Bromoform	75-25-2	50	0.200	U	0.200	U	0.200	U	0.200	U
Bromomethane	74-83-9	5	0.200	U	0.200	U	0.200	U	0.200	U
Carbon disulfide	75-15-0	~	0.200	U	0.200	U	0.200	U	0.200	U
Carbon tetrachloride	56-23-5	5	0.200	U	0.200	U	0.200	U	0.200	U
Chlorobenzene	108-90-7	5	0.200	U	0.200	U	0.200	U	0.200	U
Chloroethane	75-00-3	5	0.200	U	0.200	U	0.200	U	0.200	U
Chloroform	67-66-3	7	0.200	U	0.200	U	0.200	U	0.200	U
Chloromethane	74-87-3	5	0.200	U	0.200	U	0.200	U	0.200	U
cis-1,2-Dichloroethylene	156-59-2	5	6.900		0.200	U	0.440	J	0.200	U
cis-1,3-Dichloropropylene	10061-01-5	0.4	0.200	U	0.200	U	0.200	U	0.200	U
Cyclohexane	110-82-7	~	4.900		0.200	U	0.470	J	0.200	U
Dibromochloromethane	124-48-1	50	0.200	U	0.200	U	0.200	U	0.200	U
Dibromomethane	74-95-3	~	0.200	U	0.200	U	0.200	U	0.200	U
Dichlorodifluoromethane	75-71-8	5	0.200	U	0.200	U	0.200	U	0.200	U
Ethyl Benzene	100-41-4	5	0.620		0.200	U	2		0.200	U
Hexachlorobutadiene	87-68-3	0.5	0.200	U	0.200	U	0.200	U	0.200	U
Isopropylbenzene	98-82-8	5	4.800		0.200	U	0.560		0.200	U
Methyl acetate	79-20-9	~	0.200	U	0.200	U	0.200	U	0.200	U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	0.200	U	0.200	U	0.200	U	0.200	U
Methylcyclohexane	108-87-2	~	8		0.200	U	0.590		0.200	U
Methylene chloride	75-09-2	5	1	U	1	U	1	U	1	U
n-Butylbenzene	104-51-8	5	3		0.200	U	0.500		0.200	U
n-Propylbenzene	103-65-1	5	10		0.200	U	1.700		0.200	U
o-Xylene	95-47-6	5	0.770		0.200	U	1.900		0.200	U
p- & m- Xylenes	179601-23-1	5	0.760	J	0.500	U	8.300		0.500	U
p-Isopropyltoluene	99-87-6	5	0.240	J	0.200	U	0.210	J	0.200	U
sec-Butylbenzene	135-98-8	5	1.900		0.200	U	0.310	J	0.200	U
Styrene	100-42-5	5	0.200	U	0.200	U	0.200	U	0.200	U
tert-Butyl alcohol (TBA)	75-65-0	~	0.500	U	0.500	U	0.500	U	0.500	U
tert-Butylbenzene	98-06-6	5	0.280	J	0.200	U	0.200	U	0.200	U

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Tetrachloroethylene	127-18-4	5	130		47		170	D	0.200	U
Toluene	108-88-3	5	0.300	J	0.200	U	0.650		0.200	U
trans-1,2-Dichloroethylene	156-60-5	5	1.500		0.200	U	0.200	U	0.200	U
trans-1,3-Dichloropropylene	10061-02-6	0.4	0.200	U	0.200	U	0.200	U	0.200	U
trans-1,4-dichloro-2-butene	110-57-6	~	0.200	U	0.200	U	0.200	U	0.200	U
Trichloroethylene	79-01-6	5	3.800		0.530		1.300		0.200	U
Trichlorofluoromethane	75-69-4	5	0.200	U	0.200	U	0.200	U	0.200	U
Vinyl acetate	108-05-4	~	0.200	U	0.200	U	0.200	U	0.200	U
Vinyl Chloride	75-01-4	2	0.200	U	0.200	U	0.200	U	0.200	U
Xylenes, Total	1330-20-7	5	1.500		0.600	U	10		0.600	U
Semi-Volatiles, 8270 - Comprehensive		ug/L	ug/L		ug/L		ug/L			
Dilution Factor			1		1		1			
1,1-Biphenyl	92-52-4	~	2.500	U	2.780	U	2.860	U	NT	
1,2,4,5-Tetrachlorobenzene	95-94-3	~	2.500	U	2.780	U	2.860	U	NT	
1,2,4-Trichlorobenzene	120-82-1	5	2.500	U	2.780	U	2.860	U	NT	
1,2-Dichlorobenzene	95-50-1	3	2.500	U	2.780	U	2.860	U	NT	
1,2-Diphenylhydrazine (as Azobenz)	122-66-7	~	2.500	U	2.780	U	2.860	U	NT	
1,3-Dichlorobenzene	541-73-1	3	2.500	U	2.780	U	2.860	U	NT	
1,4-Dichlorobenzene	106-46-7	3	2.500	U	2.780	U	2.860	U	NT	
2,3,4,6-Tetrachlorophenol	58-90-2	~	2.500	U	2.780	U	2.860	U	NT	
2,4,5-Trichlorophenol	95-95-4	1	2.500	U	2.780	U	2.860	U	NT	
2,4,6-Trichlorophenol	88-06-2	1	2.500	U	2.780	U	2.860	U	NT	
2,4-Dichlorophenol	120-83-2	5	2.500	U	2.780	U	2.860	U	NT	
2,4-Dimethylphenol	105-67-9	50	2.500	U	2.780	U	2.860	U	NT	
2,4-Dinitrophenol	51-28-5	10	2.500	U	2.780	U	2.860	U	NT	
2,4-Dinitrotoluene	121-14-2	5	2.500	U	2.780	U	2.860	U	NT	
2,6-Dinitrotoluene	606-20-2	5	2.500	U	2.780	U	2.860	U	NT	
2-Chloronaphthalene	91-58-7	10	2.500	U	2.780	U	2.860	U	NT	
2-Chlorophenol	95-57-8	1	2.500	U	2.780	U	2.860	U	NT	
2-Methylnaphthalene	91-57-6	~	11.400		2.780	U	2.860	U	NT	
2-Methylphenol	95-48-7	1	2.500	U	2.780	U	2.860	U	NT	
2-Nitroaniline	88-74-4	5	2.500	U	2.780	U	2.860	U	NT	
2-Nitrophenol	88-75-5	1	2.500	U	2.780	U	2.860	U	NT	

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
3- & 4-Methylphenols	65794-96-9	~	2.500	U	2.780	U	2.860	U	NT	
3,3-Dichlorobenzidine	91-94-1	5	2.500	U	2.780	U	2.860	U	NT	
3-Nitroaniline	99-09-2	5	2.500	U	2.780	U	2.860	U	NT	
4,6-Dinitro-2-methylphenol	534-52-1	~	2.500	U	2.780	U	2.860	U	NT	
4-Bromophenyl phenyl ether	101-55-3	~	2.500	U	2.780	U	2.860	U	NT	
4-Chloro-3-methylphenol	59-50-7	1	2.500	U	2.780	U	2.860	U	NT	
4-Chloroaniline	106-47-8	5	2.500	U	2.780	U	2.860	U	NT	
4-Chlorophenyl phenyl ether	7005-72-3	~	2.500	U	2.780	U	2.860	U	NT	
4-Nitroaniline	100-01-6	5	2.500	U	2.780	U	2.860	U	NT	
4-Nitrophenol	100-02-7	1	2.500	U	2.780	U	2.860	U	NT	
Acenaphthene	83-32-9	20	0.380		0.0556	U	0.0914		NT	
Acenaphthylene	208-96-8	~	0.130		0.0556	U	0.0571	U	NT	
Acetophenone	98-86-2	~	2.500	U	2.780	U	2.860	U	NT	
Aniline	62-53-3	5	2.500	U	2.780	U	2.860	U	NT	
Anthracene	120-12-7	50	0.200		0.0556	U	0.0686		NT	
Atrazine	1912-24-9	~	0.500	U	0.556	U	0.571	U	NT	
Benzaldehyde	100-52-7	~	2.500	U	2.780	U	2.860	U	NT	
Benzidine	92-87-5	~	10	U	11.100	U	11.400	U	NT	
Benzo(a)anthracene	56-55-3	0.002	0.0500	U	0.0556	U	0.0571		NT	
Benzo(a)pyrene	50-32-8	0.002	0.0500	U	0.0556	U	0.0571	U	NT	
Benzo(b)fluoranthene	205-99-2	0.002	0.0500	U	0.0556	U	0.0571	U	NT	
Benzo(g,h,i)perylene	191-24-2	~	0.0500		0.0556	U	0.0571		NT	
Benzo(k)fluoranthene	207-08-9	0.002	0.0500	U	0.0556	U	0.0571	U	NT	
Benzoic acid	65-85-0	~	25	U	27.800	U	28.600	U	NT	
Benzyl alcohol	100-51-6	~	2.500	U	2.780	U	2.860	U	NT	
Benzyl butyl phthalate	85-68-7	50	2.500	U	2.780	U	2.860	U	NT	
Bis(2-chloroethoxy)methane	111-91-1	5	2.500	U	2.780	U	2.860	U	NT	
Bis(2-chloroethyl)ether	111-44-4	1	2.500	U	2.780	U	2.860	U	NT	
Bis(2-chloroisopropyl)ether	108-60-1	5	2.500	U	2.780	U	2.860	U	NT	
Bis(2-ethylhexyl)phthalate	117-81-7	5	0.500	U	0.800		0.571	U	NT	
Caprolactam	105-60-2	~	2.500	U	2.780	U	2.860	U	NT	
Carbazole	86-74-8	~	2.500	U	2.780	U	2.860	U	NT	
Chrysene	218-01-9	0.002	0.0500	U	0.0556	U	0.0571	U	NT	

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Dibenzo(a,h)anthracene	53-70-3	~	0.0500	U	0.0556	U	0.0571	U	NT	
Dibenzofuran	132-64-9	~	2.500	U	2.780	U	2.860	U	NT	
Diethyl phthalate	84-66-2	50	2.500	U	2.780	U	2.860	U	NT	
Dimethyl phthalate	131-11-3	50	2.500	U	2.780	U	2.860	U	NT	
Di-n-butyl phthalate	84-74-2	50	2.500	U	2.780	U	2.860	U	NT	
Di-n-octyl phthalate	117-84-0	50	2.500	U	2.780	U	2.860	U	NT	
Fluoranthene	206-44-0	50	0.0500	U	0.0556	U	0.114		NT	
Fluorene	86-73-7	50	0.660		0.0556	U	0.137		NT	
Hexachlorobenzene	118-74-1	0.04	0.0200	U	0.0222	U	0.0229	U	NT	
Hexachlorobutadiene	87-68-3	0.5	0.500	U	0.556	U	0.571	U	NT	
Hexachlorocyclopentadiene	77-47-4	5	2.500	U	2.780	U	2.860	U	NT	
Hexachloroethane	67-72-1	5	0.500	U	0.556	U	0.571	U	NT	
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.0500	U	0.0556	U	0.0571	U	NT	
Isophorone	78-59-1	50	2.500	U	2.780	U	2.860	U	NT	
Naphthalene	91-20-3	10	1.340		0.0556	U	1.060		NT	
Nitrobenzene	98-95-3	0.4	0.250	U	0.278	U	0.286	U	NT	
N-Nitrosodimethylamine	62-75-9	~	0.500	U	0.556	U	0.571	U	NT	
N-nitroso-di-n-propylamine	621-64-7	~	2.500	U	2.780	U	2.860	U	NT	
N-Nitrosodiphenylamine	86-30-6	50	2.500	U	2.780	U	2.860	U	NT	
Pentachlorophenol	87-86-5	1	0.250	U	0.278	U	0.286	U	NT	
Phenanthrene	85-01-8	50	0.990		0.0556	U	0.331		NT	
Phenol	108-95-2	1	2.500	U	2.780	U	2.860	U	NT	
Pyrene	129-00-0	50	0.290		0.0556	U	0.114		NT	
Pesticides, 8081 target list		ug/L	ug/L		ug/L		ug/L			
Dilution Factor			1		1		1			
4,4'-DDD	72-54-8	0.3	0.00457	U	0.00485	U	0.00444	U	NT	
4,4'-DDE	72-55-9	0.2	0.00457	U	0.00485	U	0.00444	U	NT	
4,4'-DDT	50-29-3	0.2	0.00457	U	0.00485	U	0.00444	U	NT	
Aldrin	309-00-2	~	0.00457	U	0.00485	U	0.00444	U	NT	
alpha-BHC	319-84-6	0.01	0.00457	U	0.00485	U	0.00444	U	NT	
alpha-Chlordane	5103-71-9	~	0.00457	U	0.00485	U	0.00444	U	NT	
beta-BHC	319-85-7	0.04	0.00457	U	0.00485	U	0.00444	U	NT	
Chlordane, total	57-74-9	0.05	0.0229	U	0.0242	U	0.0222	U	NT	
delta-BHC	319-86-8	0.04	0.00457	U	0.00485	U	0.00444	U	NT	

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Dieldrin	60-57-1	0.004	0.00229	U	0.00242	U	0.00222	U	NT	
Endosulfan I	959-98-8	~	0.00457	U	0.00485	U	0.00444	U	NT	
Endosulfan II	33213-65-9	~	0.00457	U	0.00485	U	0.00444	U	NT	
Endosulfan sulfate	1031-07-8	~	0.00457	U	0.00485	U	0.00444	U	NT	
Endrin	72-20-8	~	0.00457	U	0.00485	U	0.00444	U	NT	
Endrin aldehyde	7421-93-4	5	0.0114	U	0.0121	U	0.0111	U	NT	
Endrin ketone	53494-70-5	5	0.0114	U	0.0121	U	0.0111	U	NT	
gamma-BHC (Lindane)	58-89-9	0.05	0.00457	U	0.00485	U	0.00444	U	NT	
gamma-Chlordane	5566-34-7	~	0.0114	U	0.0121	U	0.0111	U	NT	
Heptachlor	76-44-8	0.04	0.00457	U	0.00485	U	0.00444	U	NT	
Heptachlor epoxide	1024-57-3	0.03	0.00457	U	0.00485	U	0.00444	U	NT	
Methoxychlor	72-43-5	35	0.00457	U	0.00485	U	0.00444	U	NT	
Toxaphene	8001-35-2	0.06	0.114	U	0.121	U	0.111	U	NT	
Metals, Target Analyte, ICP		ug/L	ug/L		ug/L		ug/L			
Dilution Factor			1		1		1			
Aluminum	7429-90-5	~	238		104		107		NT	
Barium	7440-39-3	1000	195		179		131		NT	
Calcium	7440-70-2	~	116,000		153,000		121,000		NT	
Chromium	7440-47-3	50	10.400		5.560	U	6.020		NT	
Cobalt	7440-48-4	~	14.100		23.800		70.200		NT	
Copper	7440-50-8	200	10.300		7.910		7.190		NT	
Iron	7439-89-6	~	5,050		2,260		5,590		NT	
Lead	7439-92-1	25	5.560	U	5.560	U	5.560	U	NT	
Magnesium	7439-95-4	35000	44,500		58,000		47,300		NT	
Manganese	7439-96-5	300	5,410		4,000		4,420		NT	
Nickel	7440-02-0	100	32.200		47.100		57.200		NT	
Potassium	7440-09-7	~	5,180	B	7,000	B	6,590	B	NT	
Silver	7440-22-4	50	5.560	U	5.560	U	5.560	U	NT	
Sodium	7440-23-5	20000	164,000		396,000		174,000		NT	
Vanadium	7440-62-2	~	11.100	U	11.100	U	11.100	U	NT	
Zinc	7440-66-6	2000	16.700	U	16.700	U	16.700	U	NT	
Metals, Target Analyte, ICP Dissolved		ug/L	ug/L		ug/L		ug/L			
Dilution Factor			1		1		1			
Aluminum	7429-90-5	~	55.600	U	55.600	U	55.600	U	NT	

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Barium	7440-39-3	1000	190		174		125		NT	
Calcium	7440-70-2	~	116,000		152,000		124,000		NT	
Chromium	7440-47-3	50	5.560	U	5.560	U	5.560	U	NT	
Cobalt	7440-48-4	~	12.900		23.200		72.900		NT	
Copper	7440-50-8	200	6.390		7.530		5.590		NT	
Iron	7439-89-6	~	22.200	U	22.200	U	284		NT	
Lead	7439-92-1	25	5.560	U	5.560	U	5.560	U	NT	
Magnesium	7439-95-4	35000	43,200		58,400		46,700		NT	
Manganese	7439-96-5	300	5,250		3,830		4,600		NT	
Nickel	7440-02-0	100	23		40.500		55.800		NT	
Potassium	7440-09-7	~	5,600		7,390		7,250		NT	
Silver	7440-22-4	50	5.560	U	5.560	U	5.560	U	NT	
Sodium	7440-23-5	20000	153,000		368,000		170,000		NT	
Vanadium	7440-62-2	~	11.100	U	11.100	U	11.100	U	NT	
Zinc	7440-66-6	2000	16.700	U	16.700	U	16.700	U	NT	
Metals, Target Analyte, ICPMS			ug/L		ug/L		ug/L			
Dilution Factor			1		1		1			
Antimony	7440-36-0	3	1.110	U	1.110	U	1.110	U	NT	
Arsenic	7440-38-2	25	1.110	U	1.110	U	1.110	U	NT	
Beryllium	7440-41-7	3	1.110	U	1.110	U	1.110	U	NT	
Cadmium	7440-43-9	5	1.110	U	1.110	U	1.110	U	NT	
Selenium	7782-49-2	10	1.110	U	1.110	U	1.110	U	NT	
Thallium	7440-28-0	~	1.110	U	1.110	U	1.110	U	NT	
Metals, Target Analyte, ICPMS Dissolved			ug/L		ug/L		ug/L			
Dilution Factor			1		1		1			
Antimony	7440-36-0	3	1.110	U	1.110	U	1.110	U	NT	
Arsenic	7440-38-2	25	1.110	U	1.110	U	1.110	U	NT	
Beryllium	7440-41-7	3	1.110	U	1.110	U	1.110	U	NT	
Cadmium	7440-43-9	5	1.110	U	1.110	U	1.110	U	NT	
Selenium	7782-49-2	10	1.110	U	1.110	U	1.110	U	NT	
Thallium	7440-28-0	~	1.110	U	1.110	U	1.110	U	NT	
Mercury by 7473			ug/L		ug/L		ug/L			
Dilution Factor			1		1		1			
Mercury	7439-97-6	0.7	0.200	U	0.200	U	0.200	U	NT	

TABLE 3 : GROUNDWATER SAMPLES RESULT SUMMARY
172-02 HILLSIDE AVENUE, QUEENS, NY

Sample ID York ID Sampling Date Client Matrix		NYSDEC TOGS Standards and Guidance Values - GA	TW-1 18G1213-15 7/27/2018 9:00:00 AM Water		TW-2 18G1213-16 7/26/2018 3:00:00 PM Water		TW-3 18G1213-17 7/26/2018 3:00:00 PM Water		Trip Blank 18G1213-18 7/27/2018 12:00:00 PM Water	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q
Mercury by 7473, Dissolved		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L			
Dilution Factor			1		1		1			
Mercury	7439-97-6	0.7	0.200	U	0.200	U	0.200	U	NT	
Chromium, Hexavalent		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L			
Dilution Factor			1		1		1			
Chromium, Hexavalent	18540-29-9	50	10	U	10	U	10	U	NT	
ORP (Oxidation-Reduction Potential)(Ag/AgCl)			mV		mV		mV			
Dilution Factor			1		1		1			
ORP (Oxidation-Reduction Potentia		~	460		400		440		NT	
pH			pH units		pH units		pH units			
Dilution Factor			1		1		1			
pH		~	6.860		7.880		7.130		NT	
Polychlorinated Biphenyls (PCB)		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L			
Dilution Factor			1		1		1			
Aroclor 1016	12674-11-2	~	0.0571	U	0.0606	U	0.0556	U	NT	
Aroclor 1221	11104-28-2	~	0.0571	U	0.0606	U	0.0556	U	NT	
Aroclor 1232	11141-16-5	~	0.0571	U	0.0606	U	0.0556	U	NT	
Aroclor 1242	53469-21-9	~	0.0571	U	0.0606	U	0.0556	U	NT	
Aroclor 1248	12672-29-6	~	0.0571	U	0.0606	U	0.0556	U	NT	
Aroclor 1254	11097-69-1	~	0.0571	U	0.0606	U	0.0556	U	NT	
Aroclor 1260	11096-82-5	~	0.0571	U	0.0606	U	0.0556	U	NT	
Total PCBs	1336-36-3	0.09	0.0571	U	0.0606	U	0.0556	U	NT	

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

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

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

Table 4 : Soil Vapor Samples Summary Results
172-02 Hillside Avenue, Queens, NY

Sample ID		NYDOH FINAL GUIDANCE FOR MITIGATION	SG-1 18G1223-01 7/26/2018 3:00:00 Soil Vapor		SG-2 18G1223-02 7/26/2018 3:00:00 Soil Vapor		SG-3 18G1223-03 7/26/2018 Soil Vapor		SG-4 18G1223-04 7/26/2018 3:00:00 Soil Vapor		SG-5 18G1223-05 7/26/2018 Soil Vapor	
York ID	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Sampling Date	Client Matrix		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Volatile Organics, EPA TO15 Full List												
Dilution Factor			1369		84.64		63.32		60.92		17.71	
1,1,1,2-Tetrachloroethane	630-20-6	~	47	U	1.500	U	1.100	U	1	U	1.200	U
1,1,1-Trichloroethane	71-55-6	1000	37	U	1.200	U	0.860	U	4.600	D	0.970	U
1,1,2,2-Tetrachloroethane	79-34-5	~	47	U	1.500	U	1.100	U	1	U	1.200	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	~	52	U	1.600	U	1.200	U	1.200	U	1.400	U
1,1,2-Trichloroethane	79-00-5	~	37	U	1.200	U	0.860	U	0.830	U	0.970	U
1,1-Dichloroethane	75-34-3	~	28	U	0.860	U	0.640	U	0.620	U	0.720	U
1,1-Dichloroethylene	75-35-4	~	6.800	U	0.210	U	0.160	U	0.150	U	0.180	U
1,2,4-Trichlorobenzene	120-82-1	~	51	U	1.600	U	1.200	U	1.100	U	1.300	U
1,2,4-Trimethylbenzene	95-63-6	~	34	U	1	U	0.780	U	0.750	U	7.700	D
1,2-Dibromoethane	106-93-4	~	53	U	1.600	U	1.200	U	1.200	U	1.400	U
1,2-Dichlorobenzene	95-50-1	~	41	U	1.300	U	0.950	U	0.920	U	1.100	U
1,2-Dichloroethane	107-06-2	~	28	U	0.860	U	0.640	U	0.620	U	0.720	U
1,2-Dichloropropane	78-87-5	~	32	U	0.980	U	0.730	U	0.700	U	0.820	U
1,2-Dichlorotetrafluoroethane	76-14-2	~	48	U	1.500	U	1.100	U	1.100	U	1.200	U
1,3,5-Trimethylbenzene	108-67-8	~	34	U	1	U	0.780	U	0.750	U	2.500	D
1,3-Butadiene	106-99-0	~	45	U	46	D	96	D	1	U	1.200	U
1,3-Dichlorobenzene	541-73-1	~	41	U	2.900	D	5.900	D	5.500	D	1.100	U
1,3-Dichloropropane	142-28-9	~	32	U	0.980	U	0.730	U	0.700	U	0.820	U
1,4-Dichlorobenzene	106-46-7	~	41	U	1.300	U	0.950	U	0.920	U	1.100	U
1,4-Dioxane	123-91-1	~	49	U	1.500	U	1.100	U	1.100	U	1.300	U
2-Butanone	78-93-3	~	2,600	D	590	D	510	D	190	D	42	D
2-Hexanone	591-78-6	~	56	U	160	D	160	D	97	D	4.700	D
3-Chloropropene	107-05-1	~	110	U	3.300	U	2.500	U	2.400	U	2.800	U
4-Methyl-2-pentanone	108-10-1	~	28	U	23	D	0.650	U	2.900	D	6.500	D
Acetone	67-64-1	~	5,000	D	2,200	D	2,900	D	970	D	590	D
Acrylonitrile	107-13-1	~	15	U	0.460	U	0.340	U	0.330	U	0.380	U
Benzene	71-43-2	~	150	D	97	D	71	D	63	D	5.700	D
Benzyl chloride	100-44-7	~	35	U	1.100	U	0.820	U	0.790	U	0.920	U
Bromodichloromethane	75-27-4	~	46	U	1.400	U	1.100	U	1	U	1.200	U

Table 4 : Soil Vapor Samples Summary Results
172-02 Hillside Avenue, Queens, NY

Sample ID		NYDOH FINAL GUIDANCE FOR MITIGATION	SG-1 18G1223-01 7/26/2018 3:00:00 Soil Vapor		SG-2 18G1223-02 7/26/2018 3:00:00 Soil Vapor		SG-3 18G1223-03 7/26/2018 Soil Vapor		SG-4 18G1223-04 7/26/2018 3:00:00 Soil Vapor		SG-5 18G1223-05 7/26/2018 Soil Vapor		
York ID	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
Sampling Date	Compound		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		
Client Matrix													
	Volatile Organics, EPA TO15 Full List												
	Bromoform	75-25-2	~	71	U	2.200	U	1.600	U	1.600	U	1.800	U
	Bromomethane	74-83-9	~	27	U	0.820	U	0.610	U	0.590	U	0.690	U
	Carbon disulfide	75-15-0	~	21	U	23	D	17	D	160	D	0.770	D
	Carbon tetrachloride	56-23-5	250	11	U	2.400	D	0.250	U	0.240	U	1.100	D
	Chlorobenzene	108-90-7	~	32	U	0.970	U	0.730	U	0.700	U	0.820	U
	Chloroethane	75-00-3	~	18	U	0.560	U	0.420	U	0.400	U	0.470	U
	Chloroform	67-66-3	~	33	U	1	U	0.770	U	1.600	D	1.800	D
	Chloromethane	74-87-3	~	14	U	6.700	D	0.330	U	0.310	U	0.370	U
	cis-1,2-Dichloroethylene	156-59-2	1000	6.800	U	0.210	U	0.160	U	0.150	U	0.180	U
	cis-1,3-Dichloropropylene	10061-01-5	~	31	U	0.960	U	0.720	U	0.690	U	0.800	U
	Cyclohexane	110-82-7	~	9,300	D	130	D	590	D	34	D	21	D
	Dibromochloromethane	124-48-1	~	58	U	1.800	U	1.300	U	1.300	U	1.500	U
	Dichlorodifluoromethane	75-71-8	~	34	U	2.900	D	3.400	D	4.300	D	4.300	D
	Ethyl acetate	141-78-6	~	450	D	1.500	U	88	D	2.400	D	47	D
	Ethyl Benzene	100-41-4	~	30	U	1.700	D	13	D	1.100	D	8.700	D
	Hexachlorobutadiene	87-68-3	~	73	U	2.300	U	1.700	U	1.600	U	1.900	U
	Isopropanol	67-63-0	~	34	U	52	D	15	D	12	D	39	D
	Methyl Methacrylate	80-62-6	~	28	U	0.870	U	0.650	U	0.620	U	0.730	U
	Methyl tert-butyl ether (MTBE)	1634-04-4	~	25	U	0.760	U	0.570	U	170	D	0.640	U
	Methylene chloride	75-09-2	~	48	U	1.500	U	1.100	U	1.100	U	21	D
	n-Heptane	142-82-5	~	98,000	D	120	D	4,100	D	32	D	59	D
	n-Hexane	110-54-3	~	150,000	D	240	D	2,500	D	48	D	83	D
	o-Xylene	95-47-6	~	30	U	1.300	D	42	D	0.860	D	8.600	D
	p- & m- Xylenes	179601-23-1	~	59	U	4	D	25	D	2.200	D	29	D
	p-Ethyltoluene	622-96-8	~	34	U	1	U	0.780	U	0.750	U	7.200	D
	Propylene	115-07-1	~	500	D	1,000	D	490	D	96	D	17	D
	Styrene	100-42-5	~	29	U	0.900	U	0.670	U	0.650	U	3.400	D
	Tetrachloroethylene	127-18-4	1000	130	D	5	D	11	D	89	D	5.300	D
	Tetrahydrofuran	109-99-9	~	40	U	1.200	U	0.930	U	1.700	D	7.400	D

Table 4 : Soil Vapor Samples Summary Results
172-02 Hillside Avenue, Queens, NY

Sample ID York ID Sampling Date Client Matrix		NYDOH FINAL GUIDANCE FOR MITIGATION	SG-1 18G1223-01 7/26/2018 3:00:00 Soil Vapor		SG-2 18G1223-02 7/26/2018 3:00:00 Soil Vapor		SG-3 18G1223-03 7/26/2018 Soil Vapor		SG-4 18G1223-04 7/26/2018 3:00:00 Soil Vapor		SG-5 18G1223-05 7/26/2018 Soil Vapor	
Compound	CAS Number		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List			ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Toluene	108-88-3	~	52	D	36	D	27	D	27	D	110	D
trans-1,2-Dichloroethylene	156-60-5	~	27	U	0.840	U	0.630	U	0.600	U	0.700	U
trans-1,3-Dichloropropylene	10061-02-6	~	31	U	0.960	U	0.720	U	0.690	U	0.800	U
Trichloroethylene	79-01-6	250	9.200	U	0.280	U	0.210	U	0.200	U	0.240	U
Trichlorofluoromethane (Freon 11)	75-69-4	~	38	U	2.300	D	2.100	D	2.300	D	3.700	D
Vinyl acetate	108-05-4	~	24	U	0.750	U	0.560	U	0.540	U	0.620	U
Vinyl bromide	593-60-2	~	30	U	0.930	U	0.690	U	0.670	U	0.770	U
Vinyl Chloride	75-01-4	~	4.400	U	0.140	U	0.100	U	0.0970	U	0.110	U

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

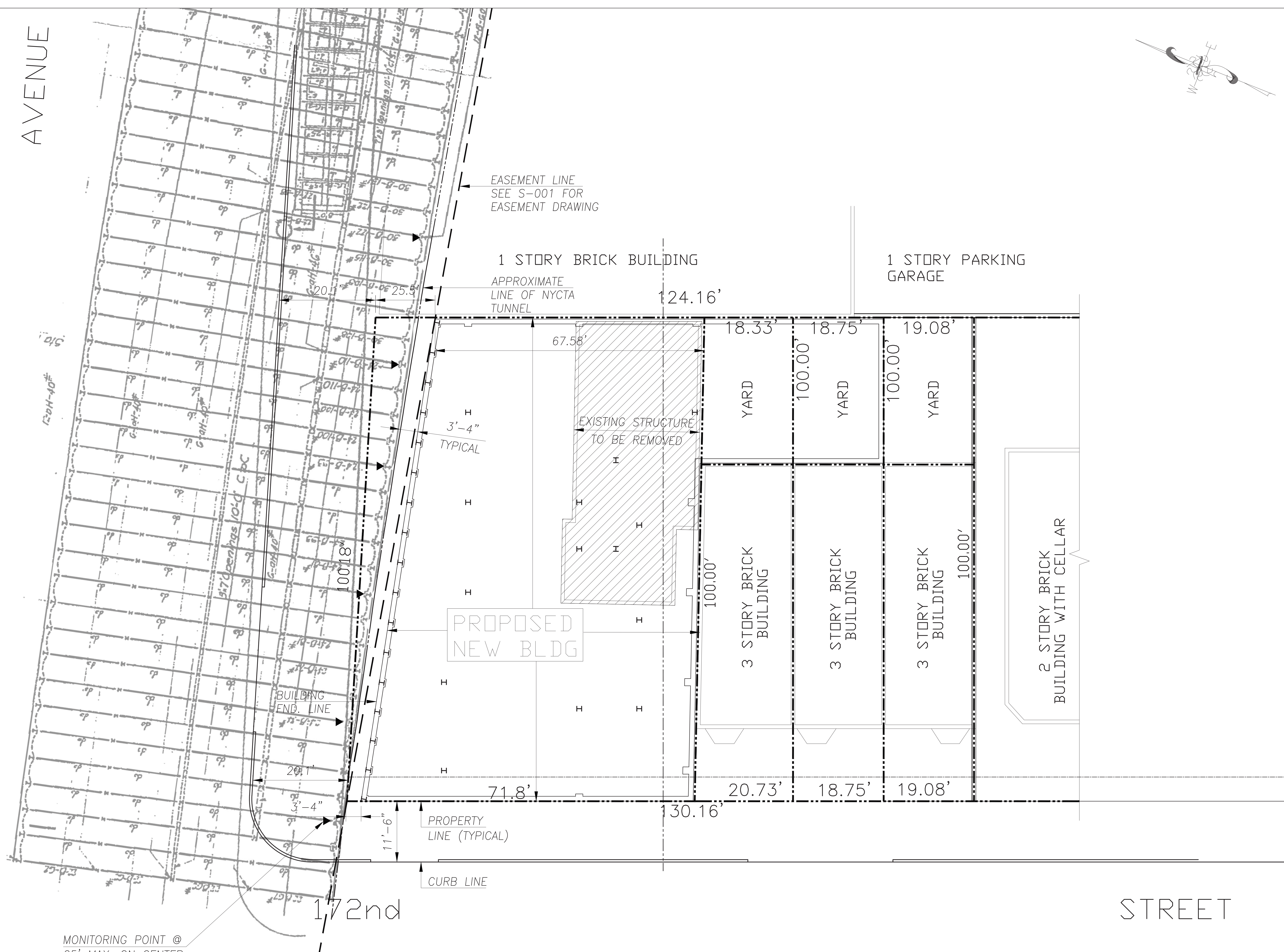
NT=this indicates the analyte was not a target for this sample

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

APPENDIX-A

AVENUE

HILLSIDE



EASEMENT LINE
SEE S-001 FOR
EASEMENT DRAWING

1 STORY BRICK BUILDING

1 STORY PARKING
GARAGE

APPROXIMATE
LINE OF NYCTA
TUNNEL

124.16'

67.58'

18.33'

18.75'

19.08'

YARD

YARD

YARD

100.00'

100.00'

100.00'

EXISTING STRUCTURE
TO BE REMOVED

PROPOSED
NEW BLDG

3 STORY BRICK
BUILDING

3 STORY BRICK
BUILDING

3 STORY BRICK
BUILDING

2 STORY BRICK
BUILDING WITH CELLAR

100.00'

100.00'

3'-4"
TYPICAL

BUILDING
END. LINE

71.8'

30.16'

20.73'

18.75'

19.08'

PROPERTY
LINE (TYPICAL)

CURB LINE

172nd

STREET

MONITORING POINT @
25' MAX. ON CENTER
(TYPICAL)

172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:

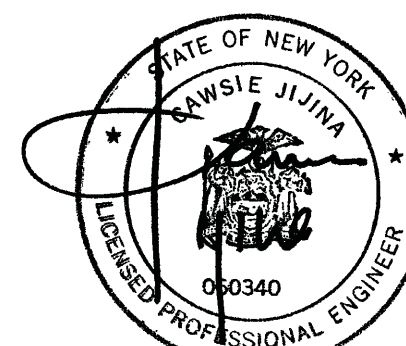
FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title:
SITE PLAN

Scale: AS NOTED
Date: 26 MAY 2015

Dwg. No.:
FO-100.00
OF

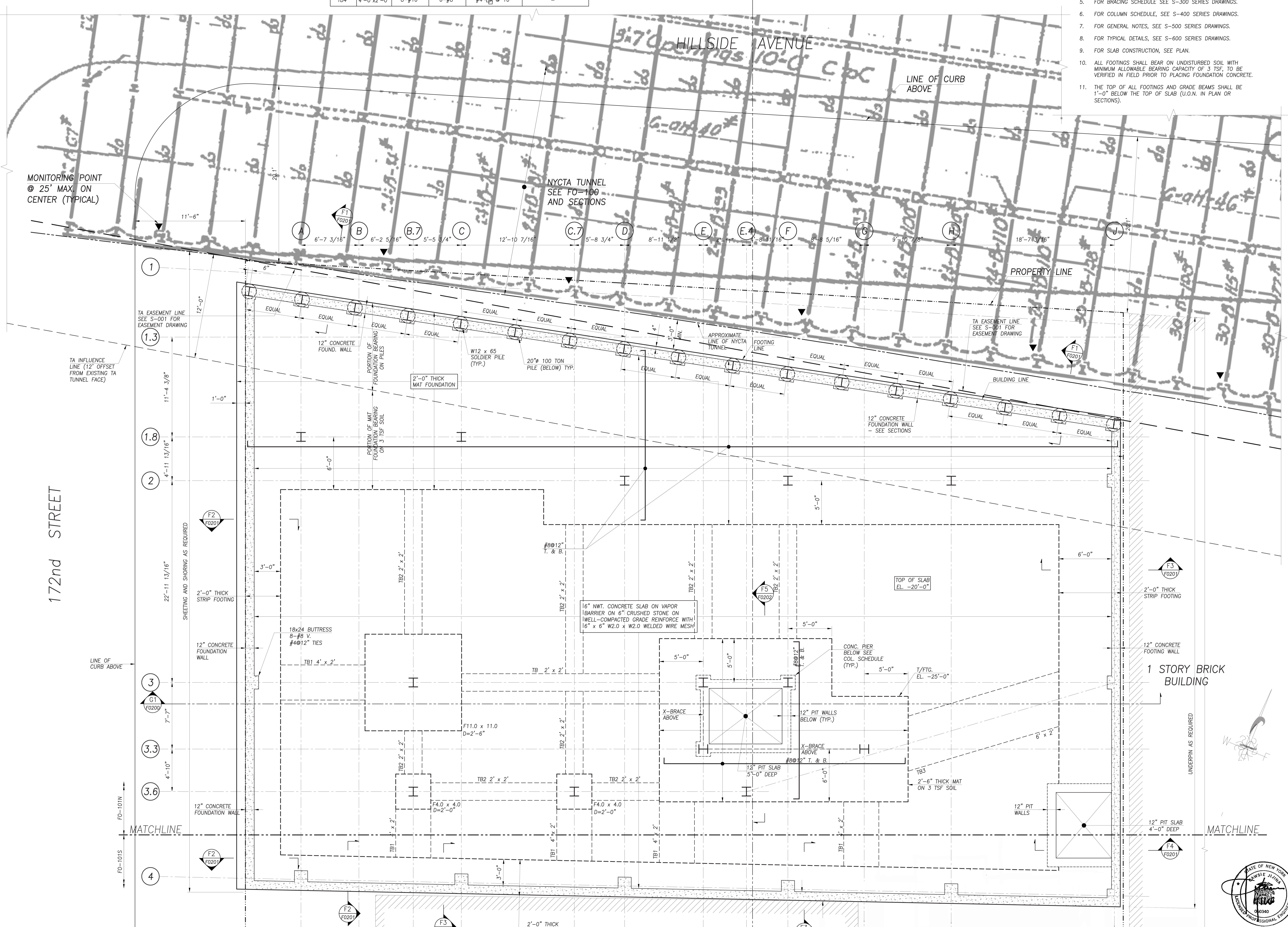
SITE PLAN
1/8" = 1'-0"



FOOTING ON 3 TON/FT ² SOIL			
MARK	SIZE	TOP REINF.	BOTTOM REINF.
F4.0x4.0	4'-0" x 4'-0" x 2'-0" THICK	-	5-#6 EA. WAY
F8.0x8.0	8'-0" x 8'-0" x 2'-0" THICK	-	9-#6 EA. WAY
F11.0x11.0	11'-0" x 11'-0" x 2'-6" THICK	-	12-#8 EA. WAY

TIE BEAM SCHEDULE					
MARK	SIZE (WIDTHxDEPTH)	TOP CONT. REINF.	BOTTOM CONT. REINF.	TIES	REMARKS
TB1	4'-0"x2'-0"	5-#10	5-#10	#4 @ 10"	-
TB2	2'-0"x2'-0"	3-#10	3-#8	#4 @ 10"	-
TB3	6'-0"x2'-0"	14-#11	10-#9	#4 @ 10"	-
TB4	4'-0"x2'-0"	8-#10	6-#8	#4 @ 10"	-

- NOTES:
- FOR SITE PLAN, SEE FO-100.
 - FOR NYCTA TUNNEL EXISTING STRUCTURE SEE SITE PLAN AND FOUNDATION SECTIONS.
 - DATUM IS SET AT FIRST FLOOR = 0'-0" = 77.25' (NAVD88) ALL ELEVATIONS SHOWN ON PLAN ARE RELATIVE TO DATUM.
 - FOR FOUNDATION SECTIONS, SEE FO-200 SERIES DRAWINGS.
 - FOR BRACING SCHEDULE SEE S-300 SERIES DRAWINGS.
 - FOR COLUMN SCHEDULE, SEE S-400 SERIES DRAWINGS.
 - FOR GENERAL NOTES, SEE S-500 SERIES DRAWINGS.
 - FOR TYPICAL DETAILS, SEE S-600 SERIES DRAWINGS.
 - FOR SLAB CONSTRUCTION, SEE PLAN.
 - ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL WITH MINIMUM ALLOWABLE BEARING CAPACITY OF 3 TSF. TO BE VERIFIED IN FIELD PRIOR TO PLACING FOUNDATION CONCRETE.
 - THE TOP OF ALL FOOTINGS AND GRADE BEAMS SHALL BE 1'-0" BELOW THE TOP OF SLAB (I.O.N. IN PLAN OR SECTIONS).



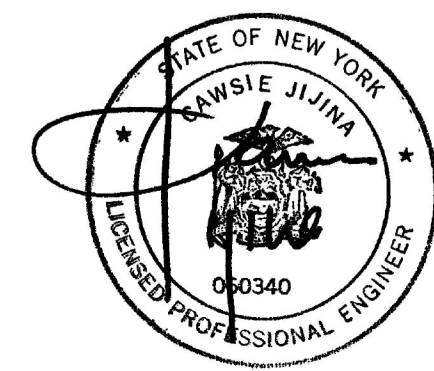
172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

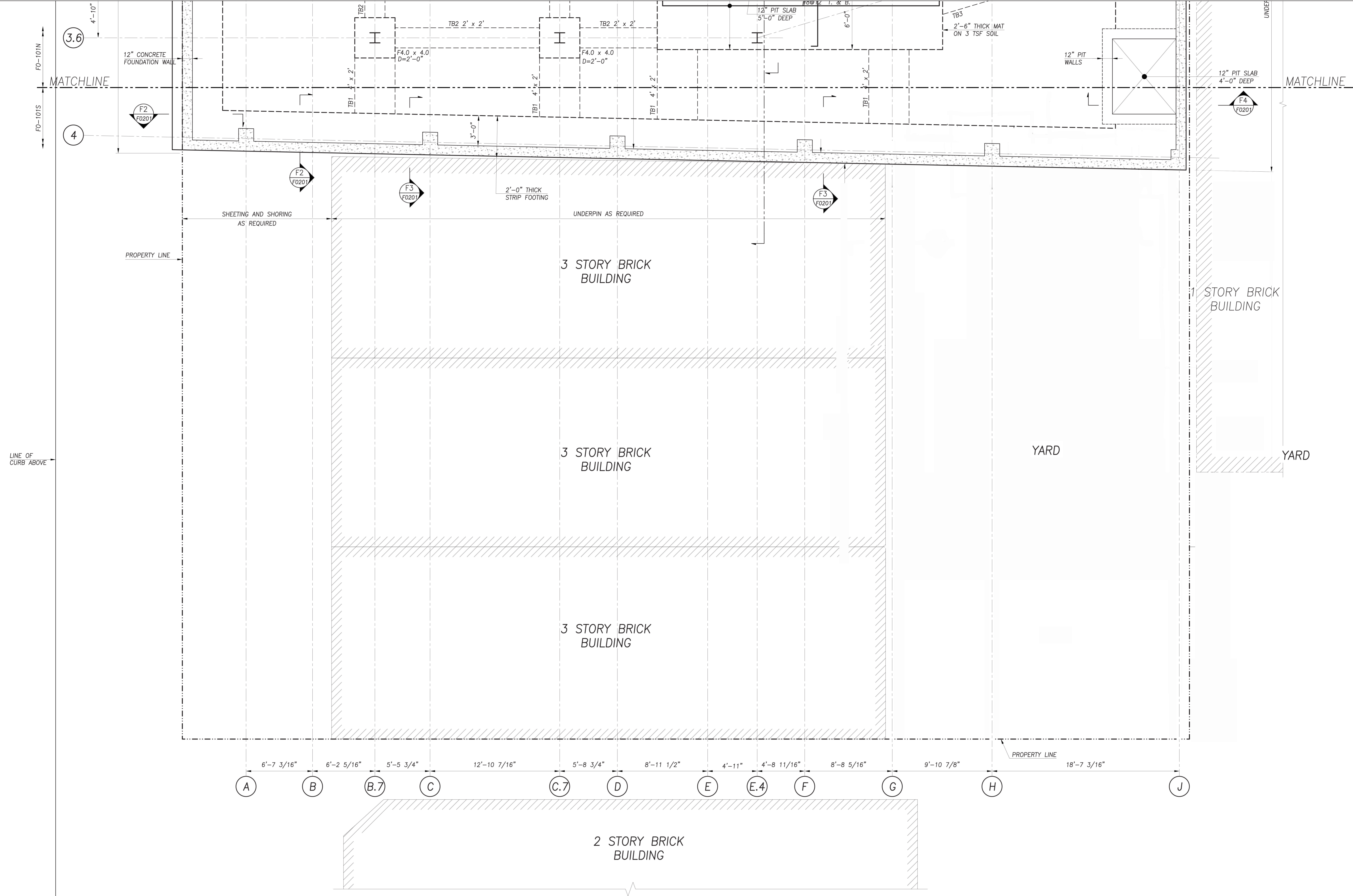
Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title: **SUBCELLAR AND FOUNDATION FRAMING PLAN (NORTH)**
Scale: AS NOTED Dwg. No.: **FO-101N.00**
Date: 26 MAY 2015 OF



172nd STREET

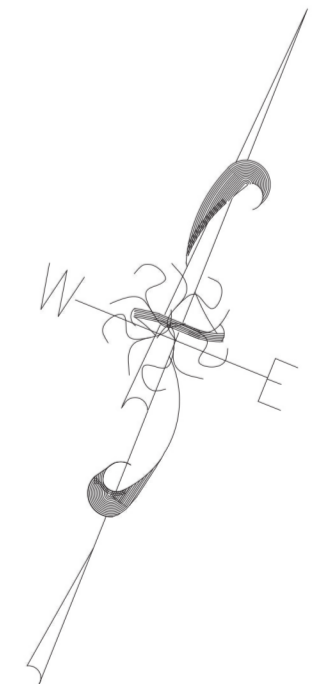


SUBCELLAR AND FOUNDATION FRAMING PLAN (SOUTH)
1/4" = 1'-0"

FOOTING ON 3 TON/FT ² SOIL			
MARK	SIZE	TOP REINF.	BOTTOM REINF.
F4.0x4.0	4'-0" x 4'-0" x 2'-0" THICK	-	5-#6 EA. WAY
F8.0x8.0	8'-0" x 8'-0" x 2'-0" THICK	-	9-#6 EA. WAY
F11.0x11.0	11'-0" x 11'-0" x 2'-6" THICK	-	12-#8 EA. WAY

TIE BEAM SCHEDULE					
MARK	SIZE (WIDTHxDEPTH)	TOP CONT. REINF.	BOTTOM CONT. REINF.	TIES	REMARKS
TB1	4'-0"x2'-0"	5-#10	5-#10	#4 @ 10"	-
TB2	4'-0"x2'-0"	8-#10	6-#8	#4 @ 10"	-
TB3	6'-0"x2'-0"	14-#11	10-#9	#4 @ 10"	-

- NOTES:**
- FOR SITE PLAN, SEE FO-100.
 - FOR NYCTA TUNNEL EXISTING STRUCTURE SEE SITE PLAN AND FOUNDATION SECTIONS.
 - DATUM IS SET AT FIRST FLOOR = 0'-0" = 77.25' (NAVD88) ALL ELEVATIONS SHOWN ON PLAN ARE RELATIVE TO TO DATUM.
 - FOR FOUNDATION SECTIONS, SEE FO-200 SERIES DRAWINGS.
 - FOR BRACING SCHEDULE SEE S-300 SERIES DRAWINGS.
 - FOR COLUMN SCHEDULE, SEE S-400 SERIES DRAWINGS.
 - FOR GENERAL NOTES, SEE S-500 SERIES DRAWINGS.
 - FOR TYPICAL DETAILS, SEE S-600 SERIES DRAWINGS.
 - FOR SLAB CONSTRUCTION, SEE PLAN.
 - ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL WITH MINIMUM ALLOWABLE BEARING CAPACITY OF 3 TSF. TO BE VERIFIED IN FIELD PRIOR TO PLACING FOUNDATION CONCRETE.
 - THE TOP OF ALL FOOTINGS AND GRADE BEAMS SHALL BE 1'-0" BELOW THE TOP OF SLAB (U.O.N. IN PLAN OR SECTIONS).



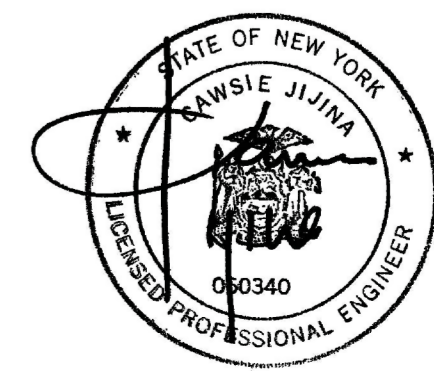
172-02 HILLSIDE AVENUE
Jamaica, New York
New Residential Development

Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title: **SUBCELLAR AND FOUNDATION FRAMING PLAN (SOUTH)**

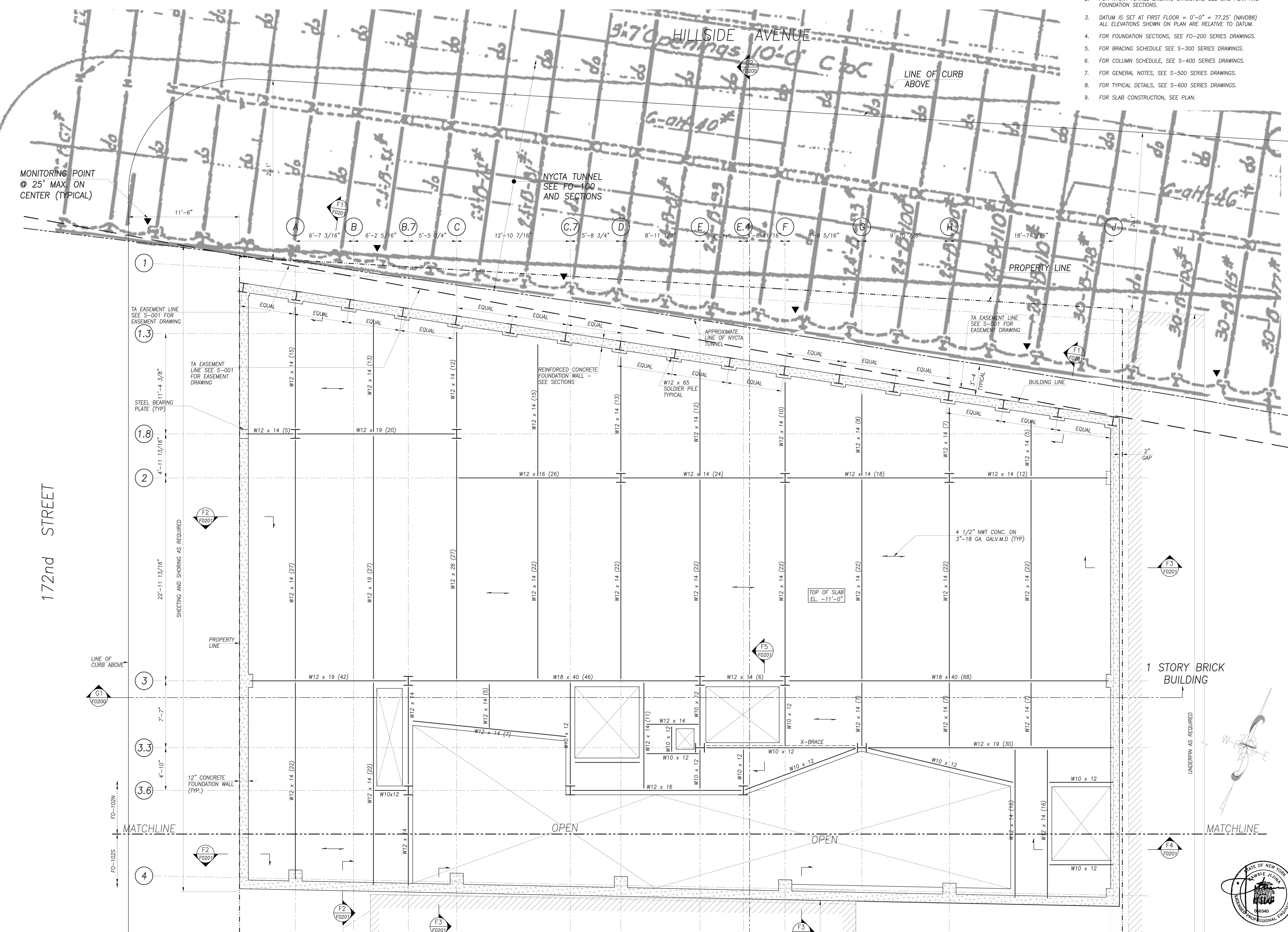
Scale: AS NOTED Dwg. No.: **FO-101S.00**
Date: 26 MAY 2015 OF



CELLAR FRAMING PLAN (NORTH)
1/4" = 1'-0"

NOTES:

1. FOR SITE PLAN, SEE FO-100.
2. FOR NYCTA TUNNEL EXISTING STRUCTURE SEE SITE PLAN AND FOUNDATION SECTIONS.
3. DATUM IS SET AT FIRST FLOOR = 0'-0" = 77.25' (NAVD88) ALL ELEVATIONS SHOWN ON PLAN ARE RELATIVE TO DATUM.
4. FOR FOUNDATION SECTIONS, SEE FO-200 SERIES DRAWINGS.
5. FOR BRACING SCHEDULE SEE S-300 SERIES DRAWINGS.
6. FOR COLUMN SCHEDULE, SEE S-400 SERIES DRAWINGS.
7. FOR GENERAL NOTES, SEE S-500 SERIES DRAWINGS.
8. FOR TYPICAL DETAILS, SEE S-600 SERIES DRAWINGS.
9. FOR SLAB CONSTRUCTION, SEE PLAN.

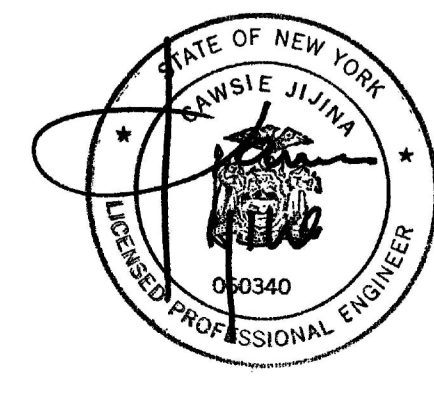


172-02 HILLSIDE AVENUE
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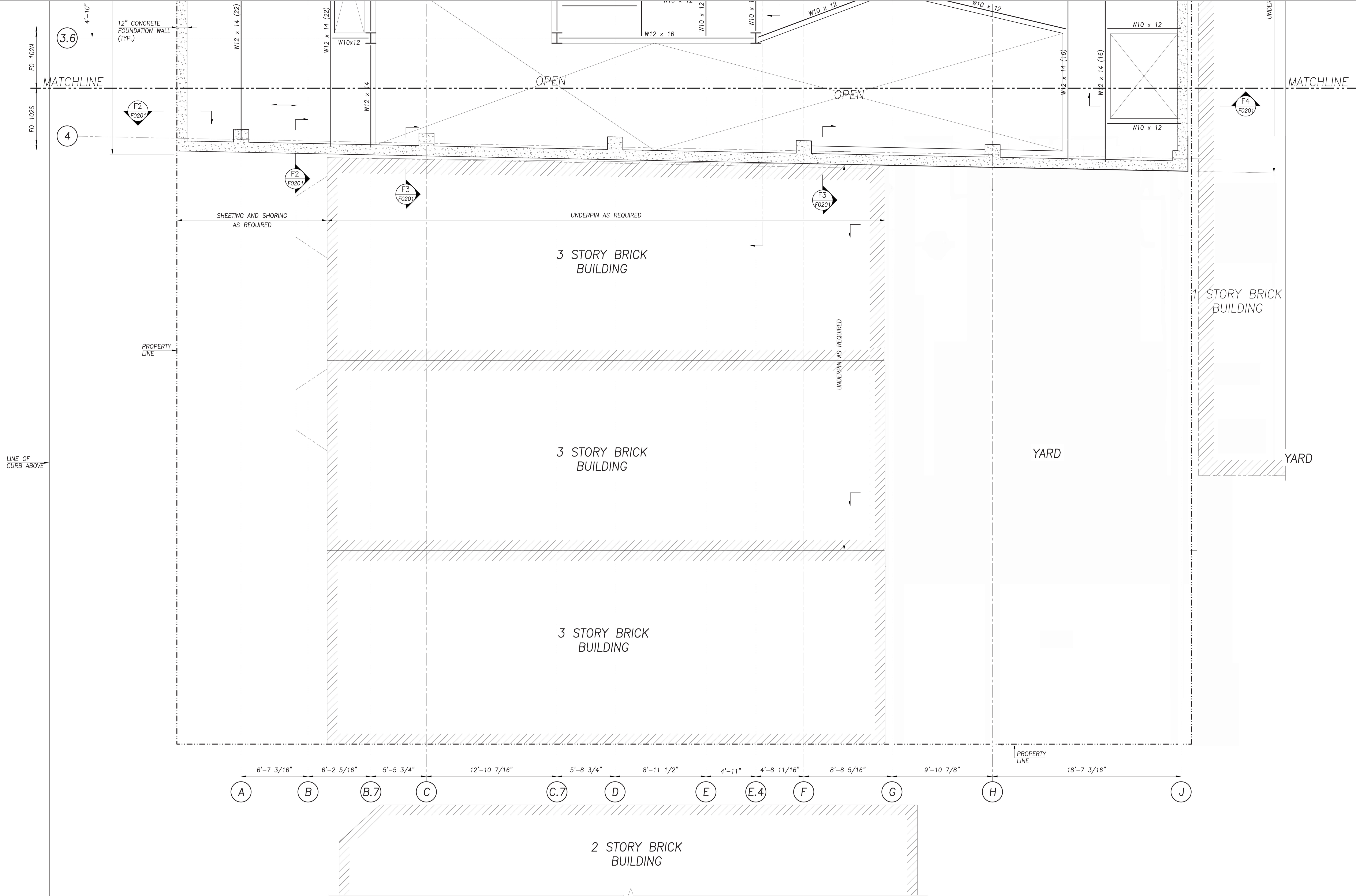
Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title: **CELLAR FRAMING PLAN NORTH**
Scale: AS NOTED Dwg. No.: **FO-102N.00**
Date: 26 MAY 2015 OF



172nd STREET



CELLAR FRAMING PLAN (SOUTH)
1/4" = 1'-0"

NOTES:

1. FOR SITE PLAN, SEE FO-100.
2. FOR NYCTA TUNNEL EXISTING STRUCTURE SEE SITE PLAN AND FOUNDATION SECTIONS.
3. DATUM IS SET AT FIRST FLOOR = 0'-0" = 77.25' (NAVD88) ALL ELEVATIONS SHOWN ON PLAN ARE RELATIVE TO DATUM.
4. FOR FOUNDATION SECTIONS, SEE FO-200 SERIES DRAWINGS.
5. FOR BRACING SCHEDULE SEE S-300 SERIES DRAWINGS.
6. FOR COLUMN SCHEDULE, SEE S-400 SERIES DRAWINGS.
7. FOR GENERAL NOTES, SEE S-500 SERIES DRAWINGS.
8. FOR TYPICAL DETAILS, SEE S-600 SERIES DRAWINGS.
9. FOR SLAB CONSTRUCTION, SEE PLAN.



172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:

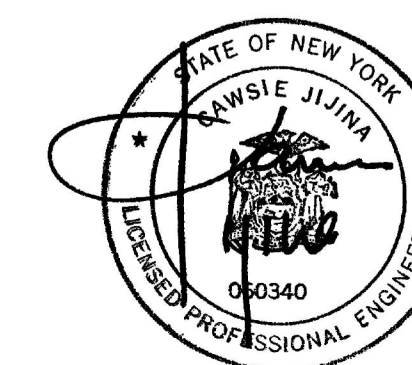
FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title:
**CELLAR FRAMING PLAN
SOUTH**

Scale: AS NOTED

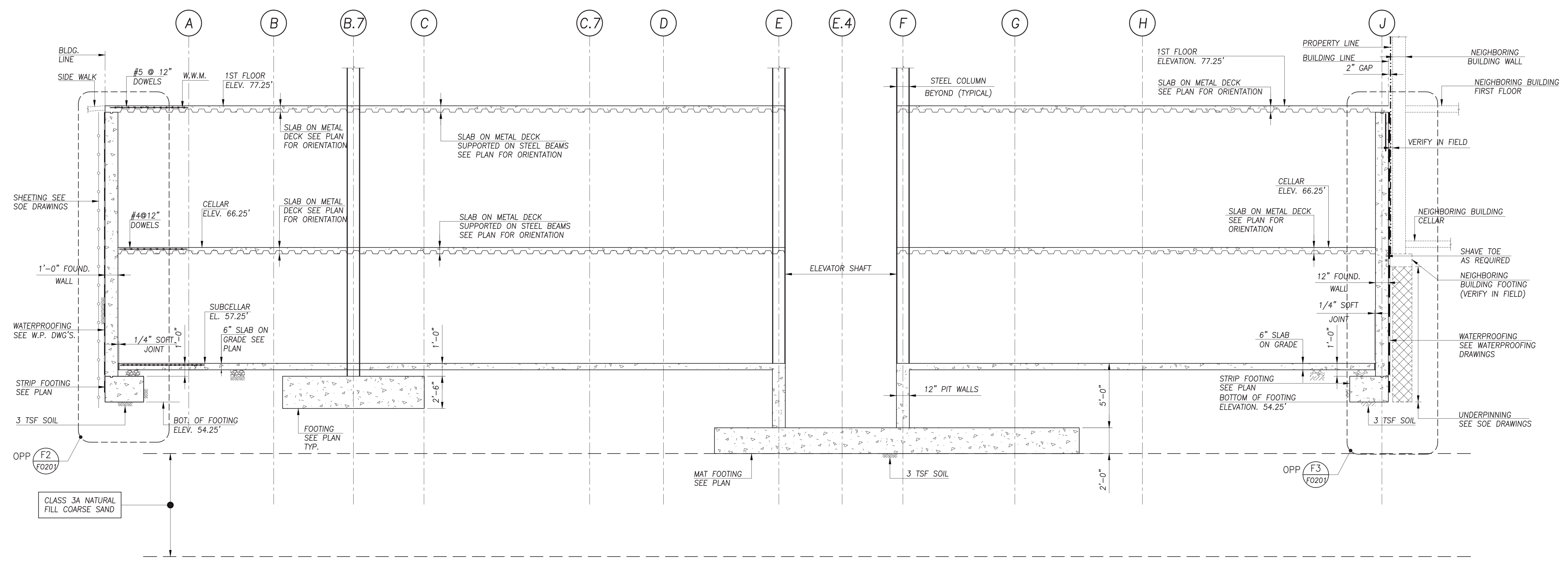
Date: 26 MAY 2015

Dwg. No.: **FO-102S.00**
OF

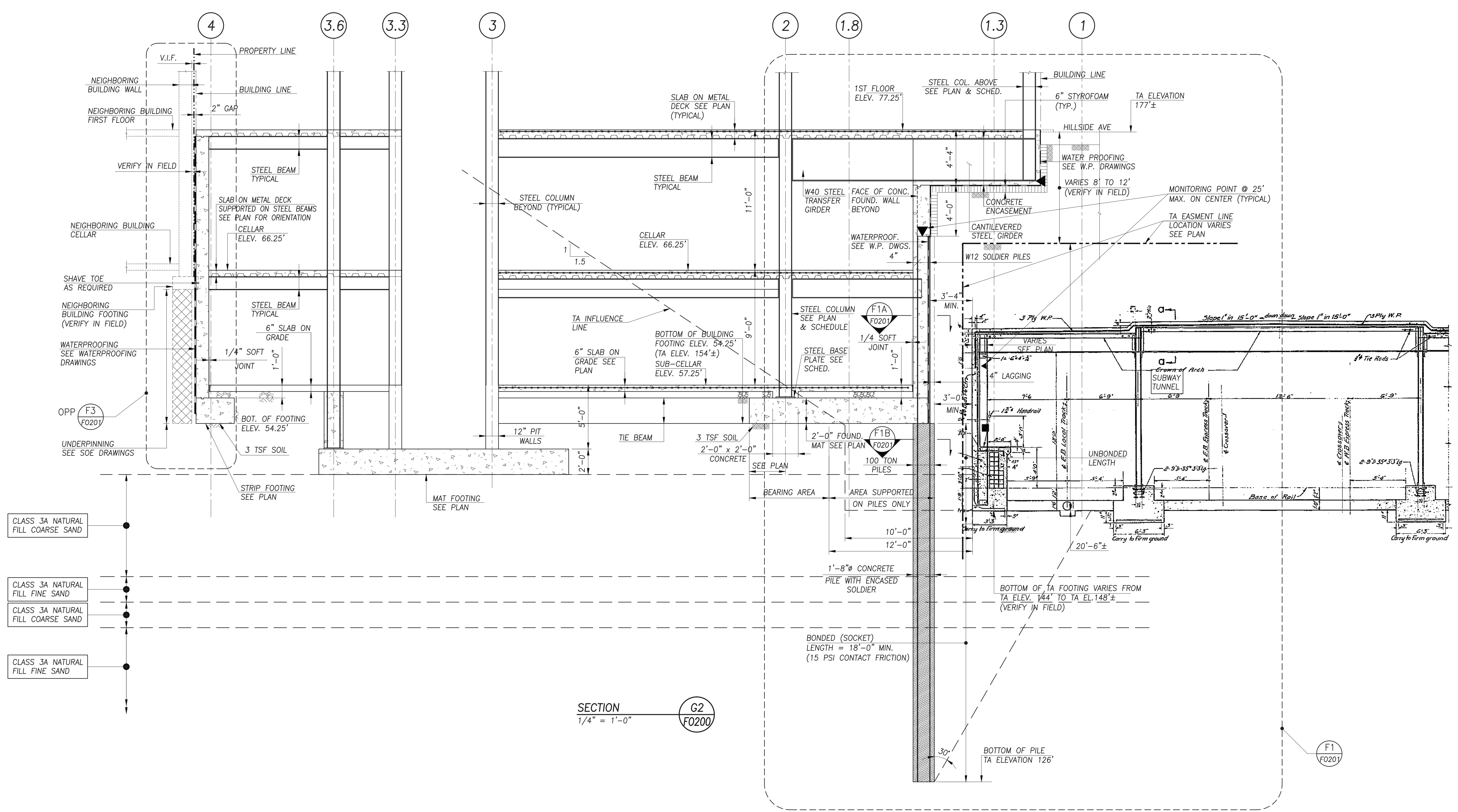


172-02 HILLSIDE AVENUE

Jamaica, New York
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SECTION G1
1/4" = 1'-0"

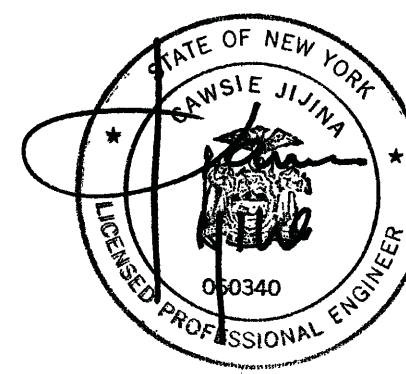


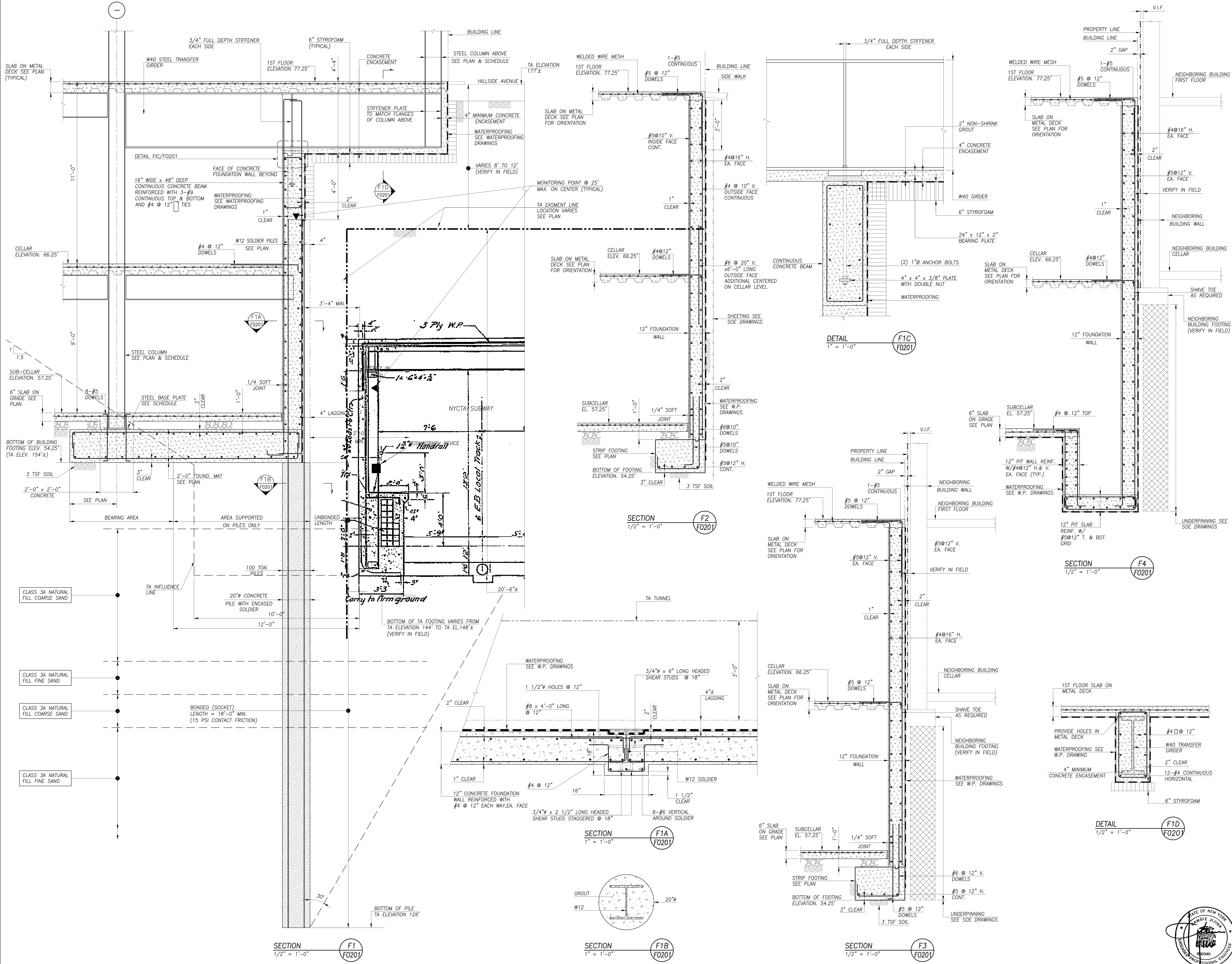
SECTION G2
1/4" = 1'-0"

Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
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Title:
GLOBAL SECTIONS
Scale: AS NOTED Dwg. No.: FO-200.00
Date: 26 MAY 2015 OF





172-02 HILLSIDE AVENUE

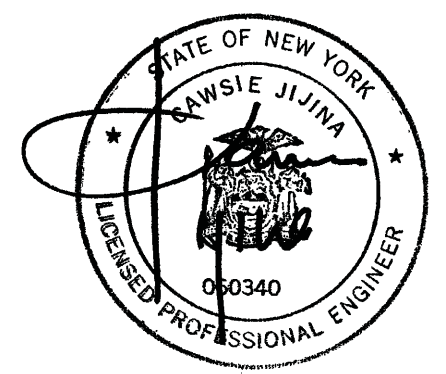
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18 East 50th Street Suite 602
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Tel 212 319 8852 Fax 212 319 0415

Title:

Scale: AS NOTED
Date: 26 MAY 2015
Dwg. No.: **FO-201.00**
OF



CITY OF NEW YORK
BOROUGH OF QUEENS
FOURTH WARD
BLOCK NO. 917

NOTES

--- Represents easement lines where not coincided with property or building lines
In order to permit slight variations in construction, the permanent easement limits are outside of, and do not follow the irregularities of the subway structure. The space between the easement lines and the structure may be utilized by the owner of the property, subject to conditions of loading given below.

The permanent easement limits shall be considered as permitting the application of thrusts against the sidewalls and loads upon the roof of the subway structure, not exceeding the following:

The subway structure is designed to withstand, in addition to the roof loads, as hereinafter described, a side thrust from earth pressure on each square foot of subway sidewall equal to one-third the weight of a column of earth one foot square and its height equal to the vertical distance between each particular square foot of the subway sidewall and the elevation of the curb referred to in determining the vertical limit of the permanent easement, the weight of earth being taken as 100 lbs. per cubic foot.

Where earth is removed in excavating for a building cellar or cellars adjacent to the subway structure (and below the elevation of the curb referred to in determining the vertical limit of the permanent easement) a building load uniformly distributed may be applied at the level of the lowest cellar floor equal to the weight of earth at 100 lbs. per foot of depth removed. If such load is not uniformly distributed, the load per square foot on the area of the building foundation may be increased, depending upon its size and location with respect to the subway sidewall, provided the stresses due to the side thrust of said building loads combined with the side thrust due to earth pressure, do not exceed the stresses resulting from earth pressures as described in the preceding paragraph.

Building loads applied below a plane intersecting the subway sidewall at the level of the base of rail and sloping up and away from the subway structure at an angle of 45° shall not be considered as exerting thrust against the sidewall.

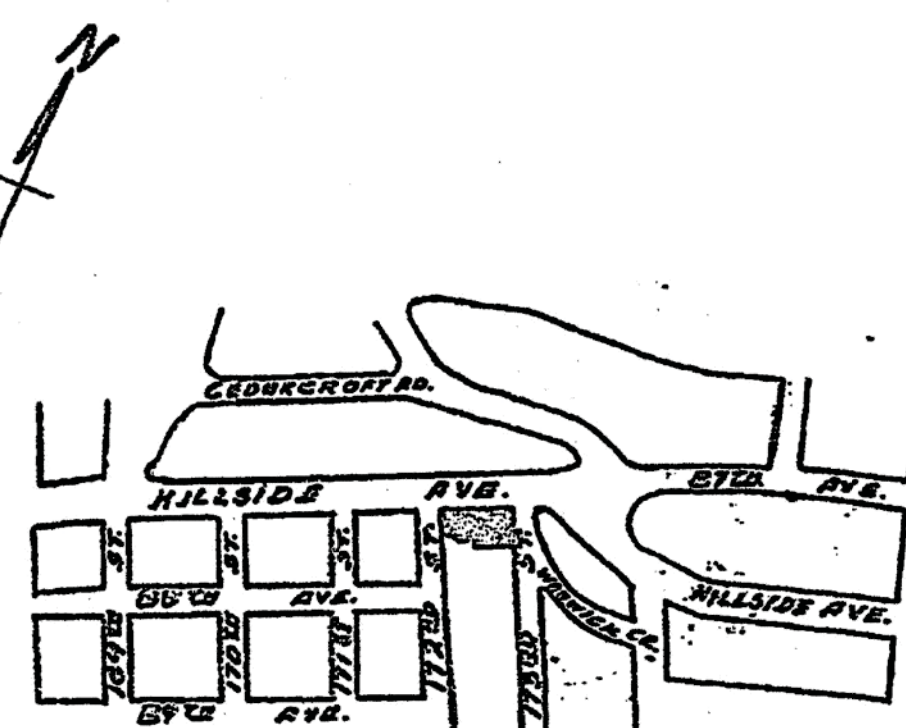
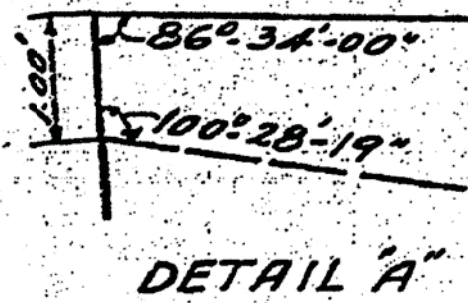
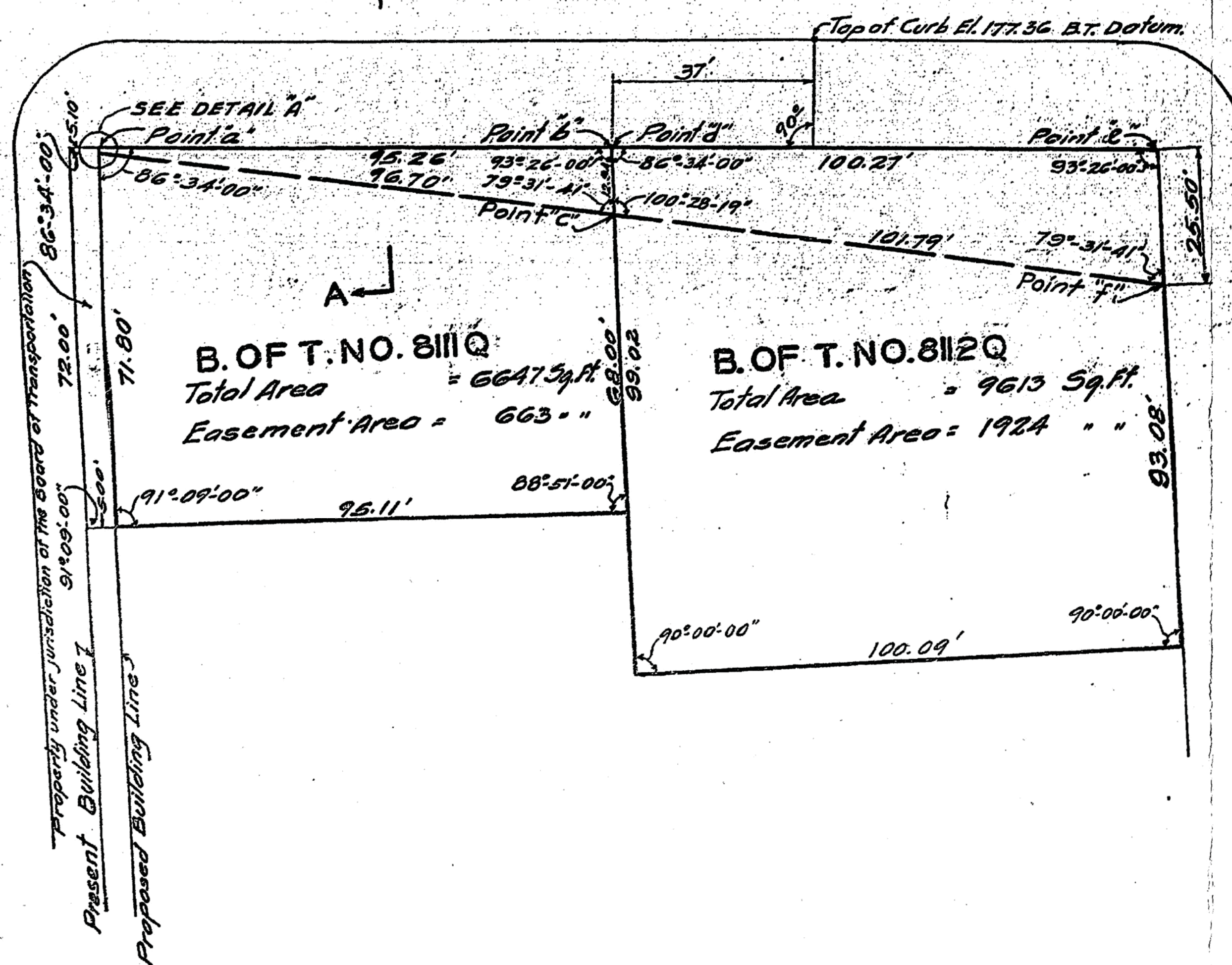
In order to provide the widest practicable latitude for future building construction, the entire subway roof has been designed for the support of a uniformly distributed load of 4000 lbs. per square foot. Should the entire subway roof not be utilized for building foundations at such uniformly distributed load of 4000 lbs. per square foot, the load per square foot on the portion of the subway roof so utilized may be increased, provided the loads are so distributed as not to cause stresses in the subway structure greater than those which would be caused by the load of 4000 lbs. per square foot over the entire subway roof.

Before any work of excavation or construction of any building or structure within, and adjacent to the easement area herein described shall be begun, plans showing the proposed construction shall be submitted to the Board of Transportation, or its successors, for approval as to the method of distributing the loads, so that the full load bearing capacity of the subway structure may be used advantageously and so that the safety of the proposed building may be assured.

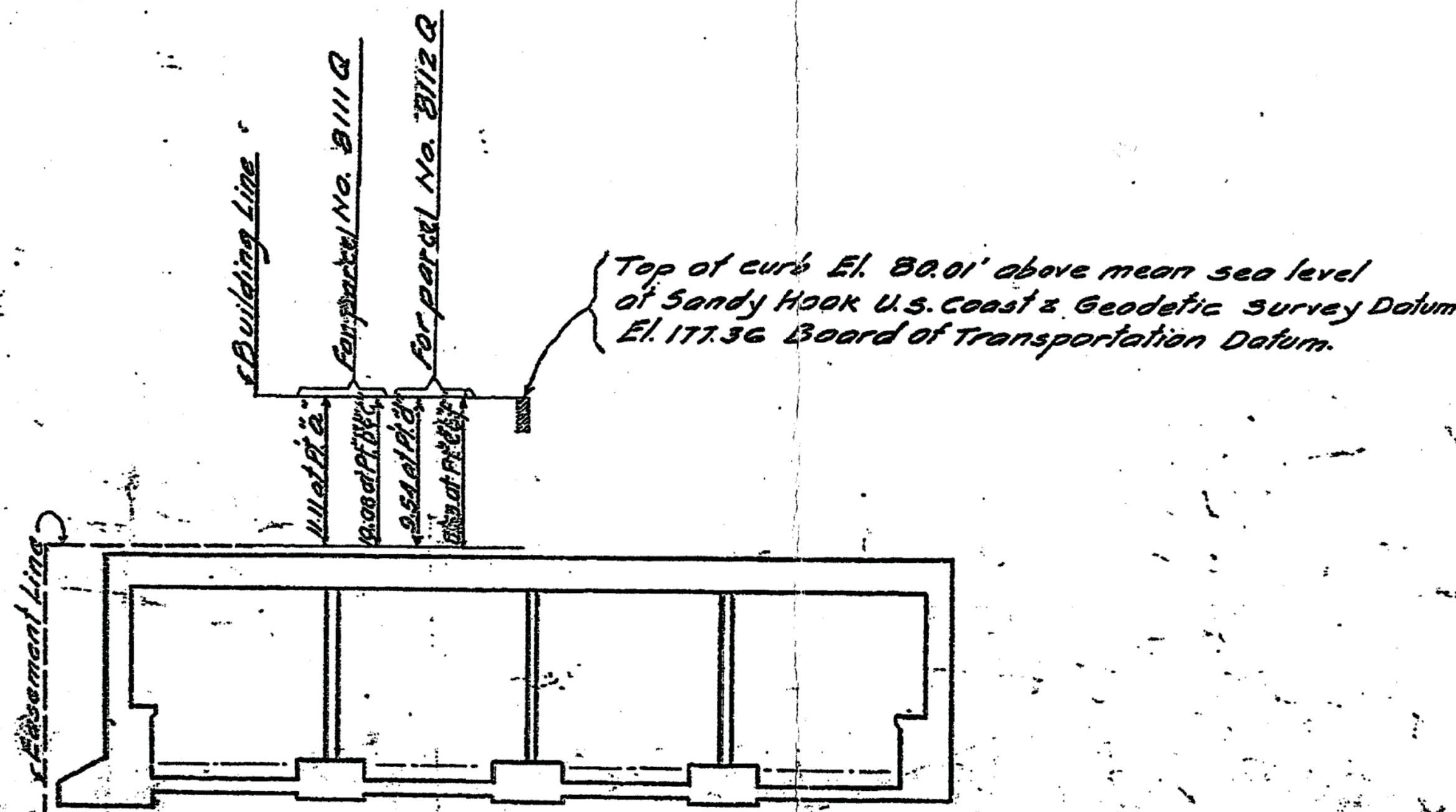
HILLSIDE AVE.

172ND ST.

173RD ST.



KEY PLAN
Scale: 1" = 600'



SECTION A-A
Scale: 1" = 10'

Drawn by L.B.
Checked by H.O.S.
Designer in charge
J. Drysdale
Acting Designing Engineer

RECORD DEPARTMENT
Case 9-51

BOARD OF TRANSPORTATION
OF THE CITY OF NEW YORK
ENGINEERING BUREAU
ROUTE NO. 108 SECTION NO. 11
BOROUGH OF QUEENS
MAP OR PLAN SHOWING PROPERTY FOR RE-LEASE
SOUTH SIDE OF HILLSIDE AVE.
BETWEEN 172ND & 173RD STS.

Scale: 1" = 20'; and as shown.
Date March 8, 1937.
J. J. [Signature]
Chief Engineer
File No. 6511
Dwg. No. 375.

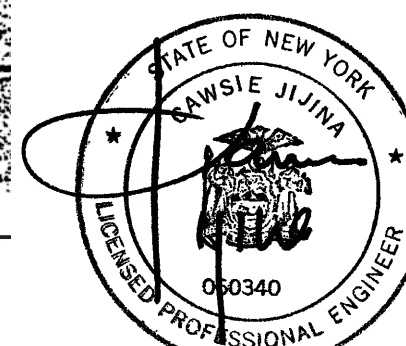
172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title: EASEMENT
Scale: AS NOTED
Date: 26 MAY 2015
Dwg. No.: S-001.00
OF



FIRST FLOOR FRAMING PLAN (NORTH)
1/4" = 1'-0"

- NOTES:
- FOR SITE PLAN, SEE FO-100.
 - FOR NYCTA TUNNEL EXISTING STRUCTURE SEE SITE PLAN AND FOUNDATION SECTIONS.
 - DATUM IS SET AT FIRST FLOOR = 0'-0" = 77.25' (NAVD88) ALL ELEVATIONS SHOWN ON PLAN ARE RELATIVE TO DATUM.
 - FOR FOUNDATION SECTIONS, SEE FO-200 SERIES DRAWINGS.
 - FOR BRACING SCHEDULE SEE S-300 SERIES DRAWINGS.
 - FOR COLUMN SCHEDULE, SEE S-400 SERIES DRAWINGS.
 - FOR GENERAL NOTES, SEE S-500 SERIES DRAWINGS.
 - FOR TYPICAL DETAILS, SEE S-600 SERIES DRAWINGS.
 - FOR SLAB CONSTRUCTION, SEE PLAN.

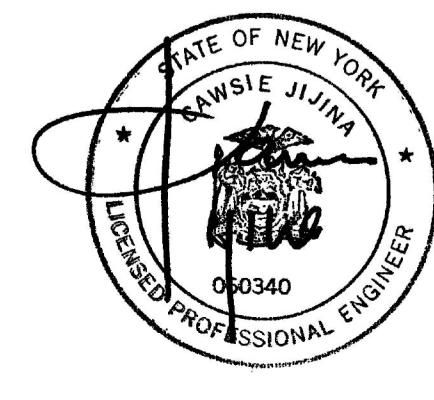


172-02 HILLSIDE AVENUE
Jamaica, New York
New Residential Development

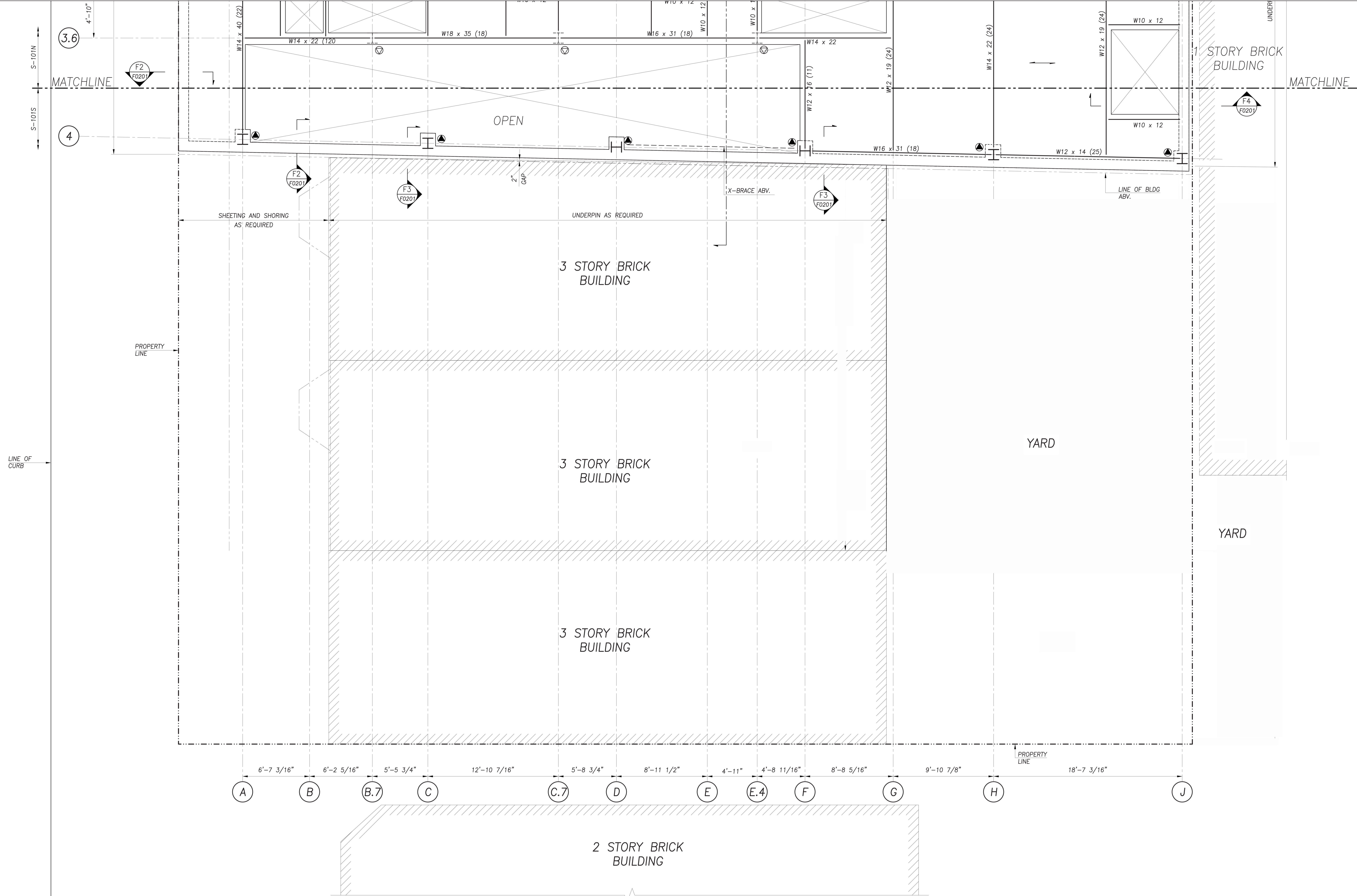
Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title: FIRST FLOOR FRAMING PLAN (NORTH)
Scale: AS NOTED Dwg. No.: S-101N.00
Date: 26 MAY 2015 OF



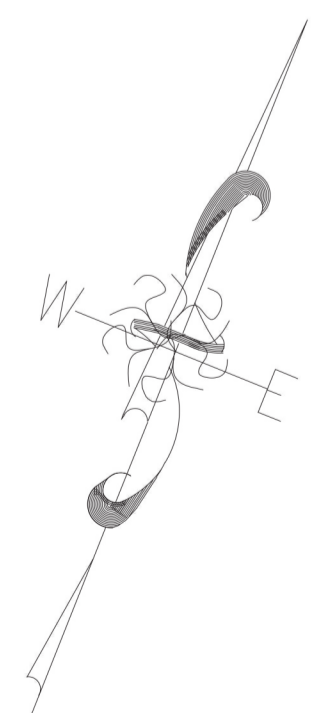
172nd STREET



FIRST FLOOR FRAMING PLAN (SOUTH)
 1/4" = 1'-0"

NOTES:

1. FOR SITE PLAN, SEE FO-100.
2. FOR NYCTA TUNNEL EXISTING STRUCTURE SEE SITE PLAN AND FOUNDATION SECTIONS.
3. DATUM IS SET AT FIRST FLOOR = 0'-0" = 77.25' (NAVD88) ALL ELEVATIONS SHOWN ON PLAN ARE RELATIVE TO DATUM.
4. FOR FOUNDATION SECTIONS, SEE FO-200 SERIES DRAWINGS.
5. FOR BRACING SCHEDULE SEE S-300 SERIES DRAWINGS.
6. FOR COLUMN SCHEDULE, SEE S-400 SERIES DRAWINGS.
7. FOR GENERAL NOTES, SEE S-500 SERIES DRAWINGS.
8. FOR TYPICAL DETAILS, SEE S-600 SERIES DRAWINGS.
9. FOR SLAB CONSTRUCTION, SEE PLAN.



172-02 HILLSIDE AVENUE

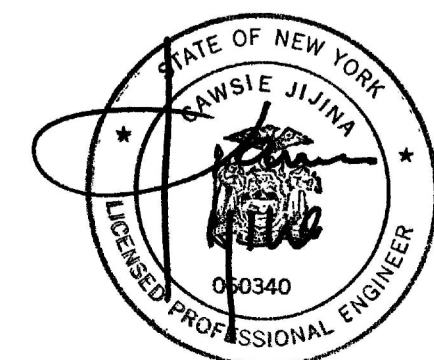
Jamaica, New York
 New Residential Development

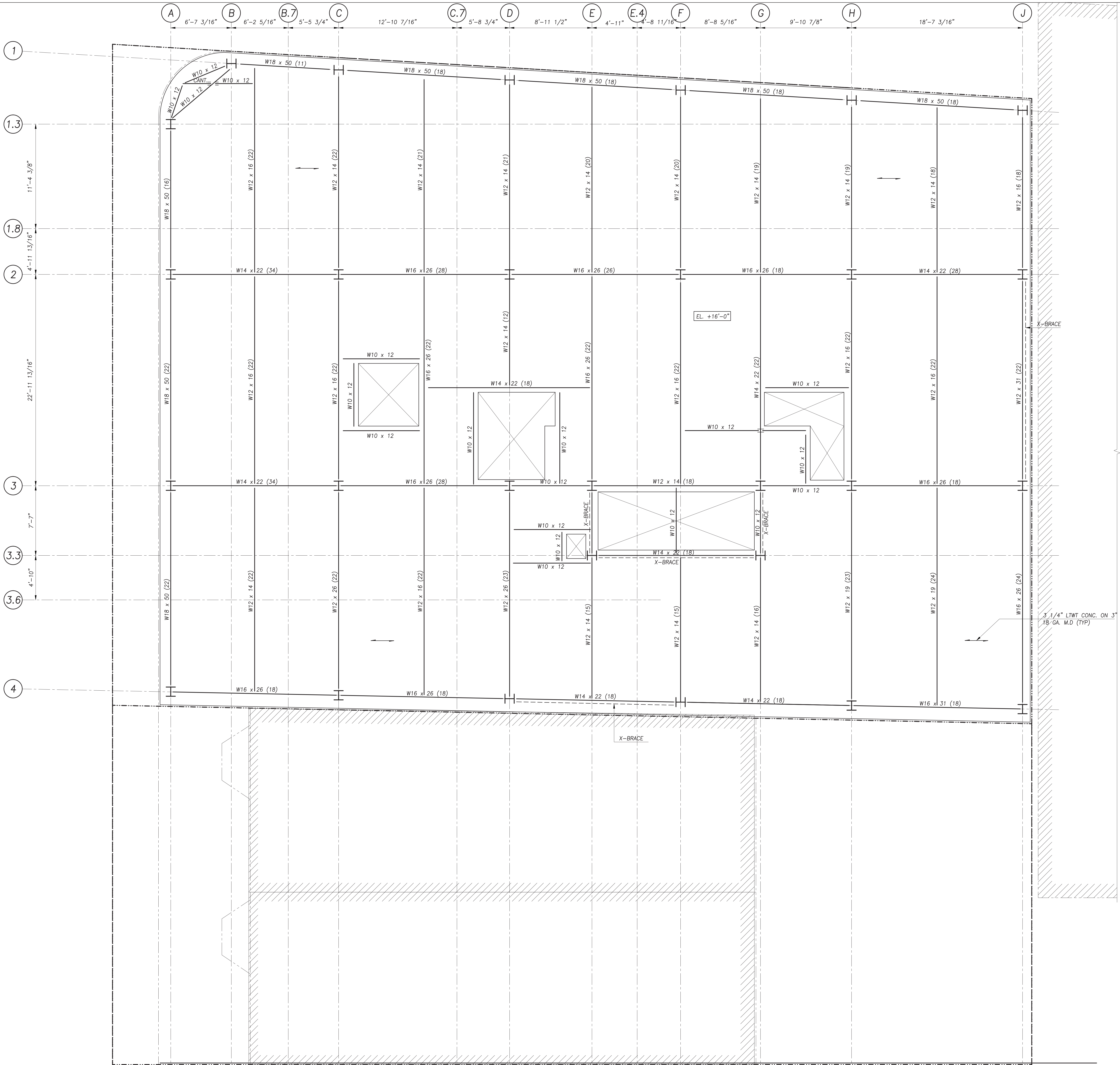
Notes:

FRANK DENNER ARCHITECT
 Architecture Interior Design Invention
 18 East 50th Street Suite 602
 New York, New York 10022
 Tel 212 319 8852 Fax 212 319 0415

Title:
FIRST FLOOR FRAMING PLAN (SOUTH)

Scale: AS NOTED Dwg. No.: **S-101S.00**
 Date: 26 MAY 2015 OF



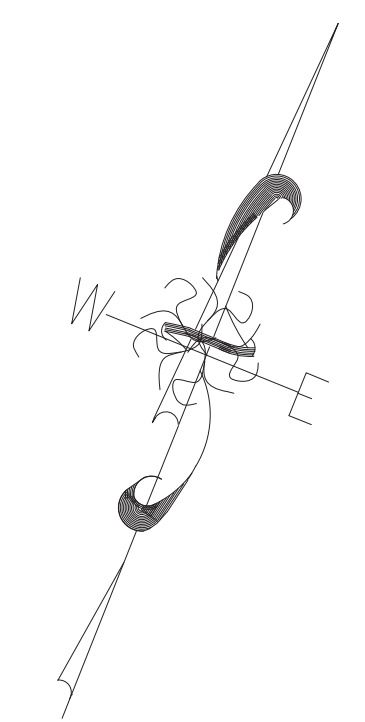


SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"

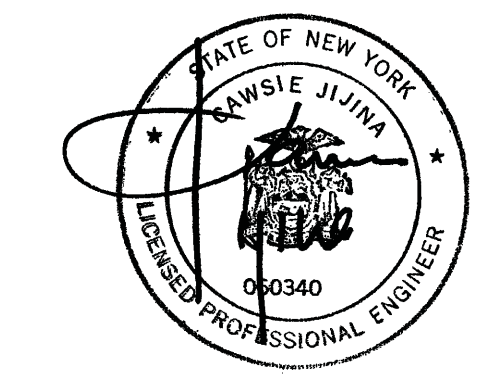
172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:



FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415



Title:
SECOND FLOOR FRAMING PLAN

Scale: AS NOTED Dwg. No.: **S-102.00**

Date: 26 MAY 2015 OF



3RD FL. EL. +25'-10"
 4TH FL. EL. +35'-8"
 5TH FL. EL. +45'-6"
 6TH FL. EL. +55'-4"
 7TH FL. EL. +65'-2"

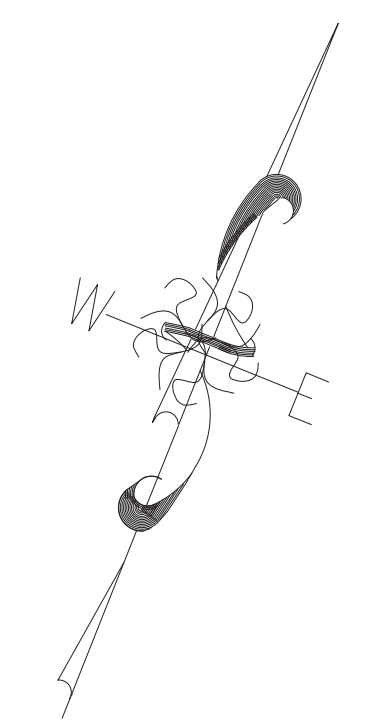
3. 1/4" LWT CONC. ON 3"
 18 GA. M.D. (TYP)

TYPICAL 3RD-7TH FLOOR FRAMING PLAN
 1/4" = 1'-0"

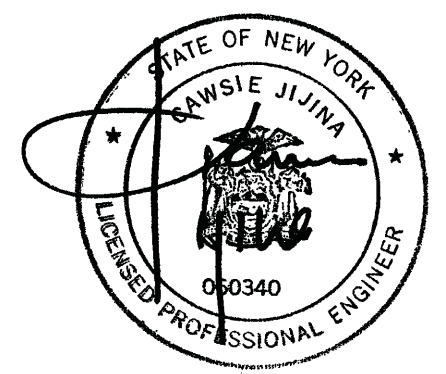
172-02 HILLSIDE AVENUE

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Notes:



FRANK DENNER ARCHITECT
 Architecture Interior Design Invention
 18 East 50th Street Suite 602
 New York, New York 10022
 Tel 212 319 8852 Fax 212 319 0415



Title:
**THIRD THRU SEVENTH FLOOR
 FRAMING PLAN**
 Scale: AS NOTED Dwg. No.:
S-103.00
 Date: 26 MAY 2015 OF

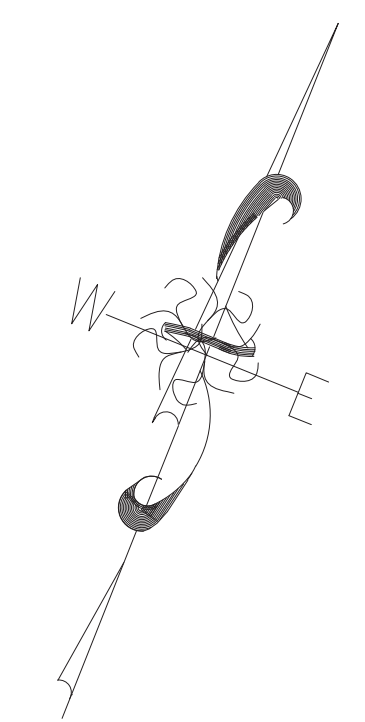


8TH FLOOR FRAMING PLAN
1/4" = 1'-0"

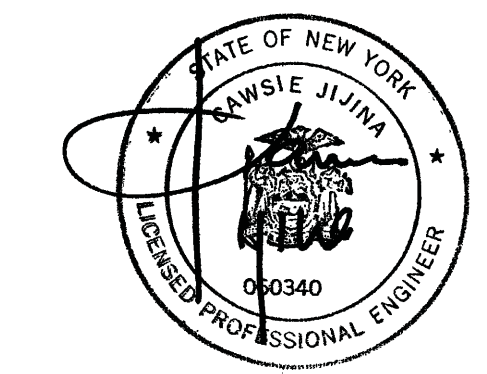
172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:



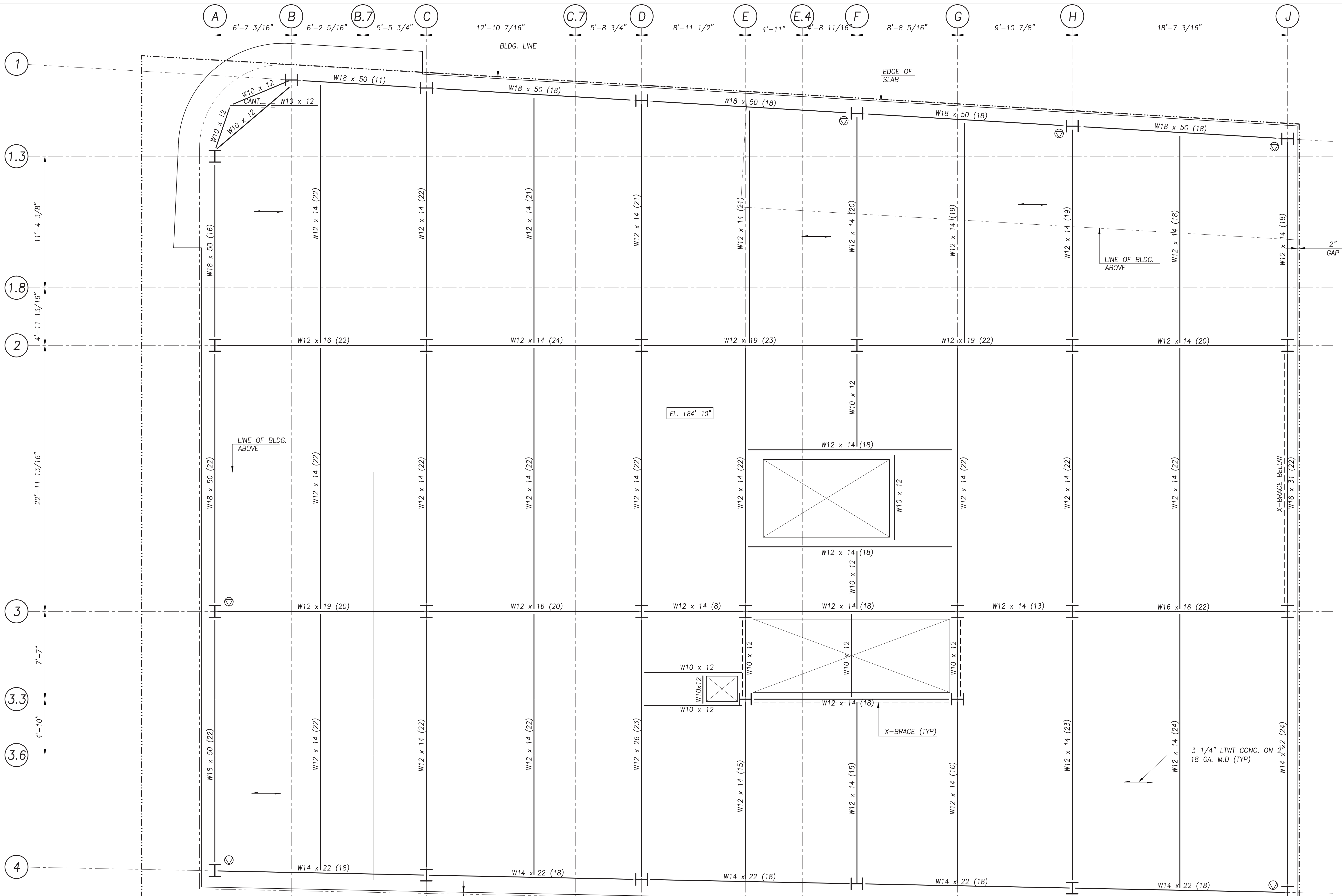
FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415



Title:
EIGHTH FLOOR FRAMING PLAN

Scale: AS NOTED Dwg. No.: **S-104.00**

Date: 26 MAY 2015 OF

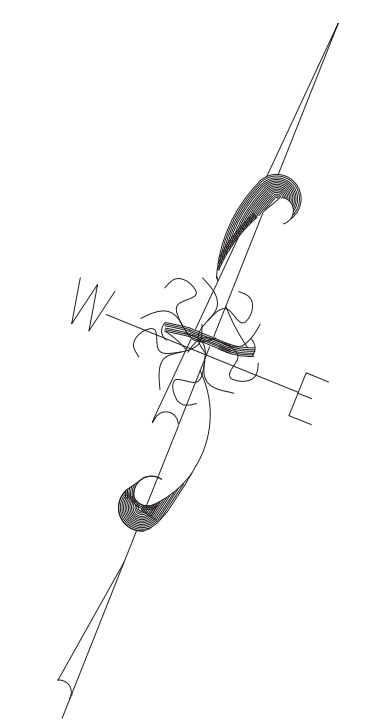


9TH FLOOR FRAMING PLAN
1/4" = 1'-0"

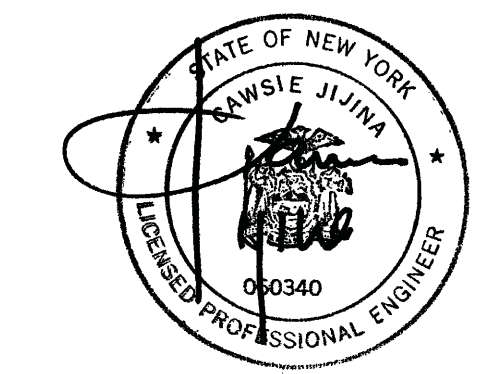
172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:



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Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
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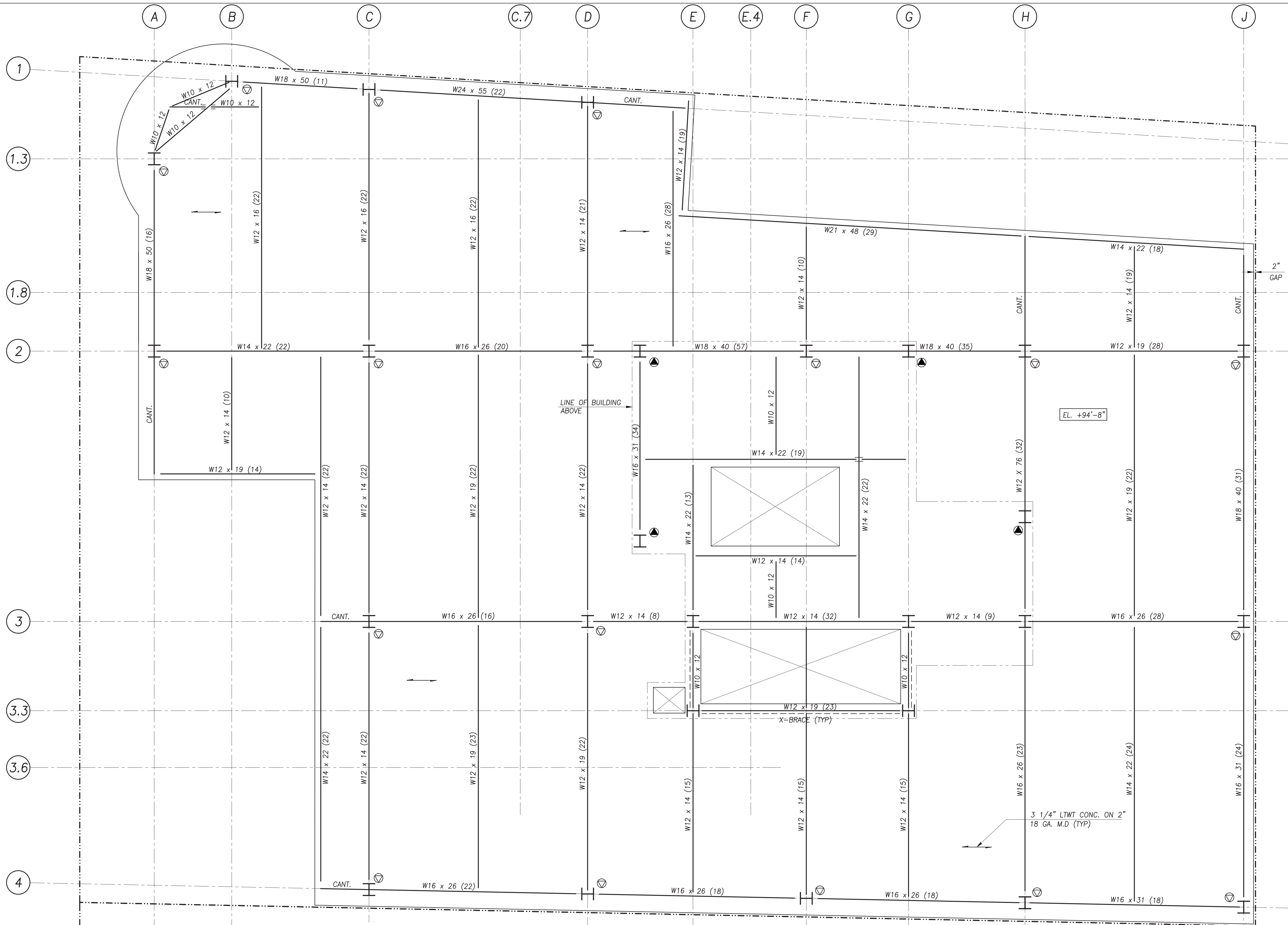


Title:
NINTH FLOOR FRAMING PLAN

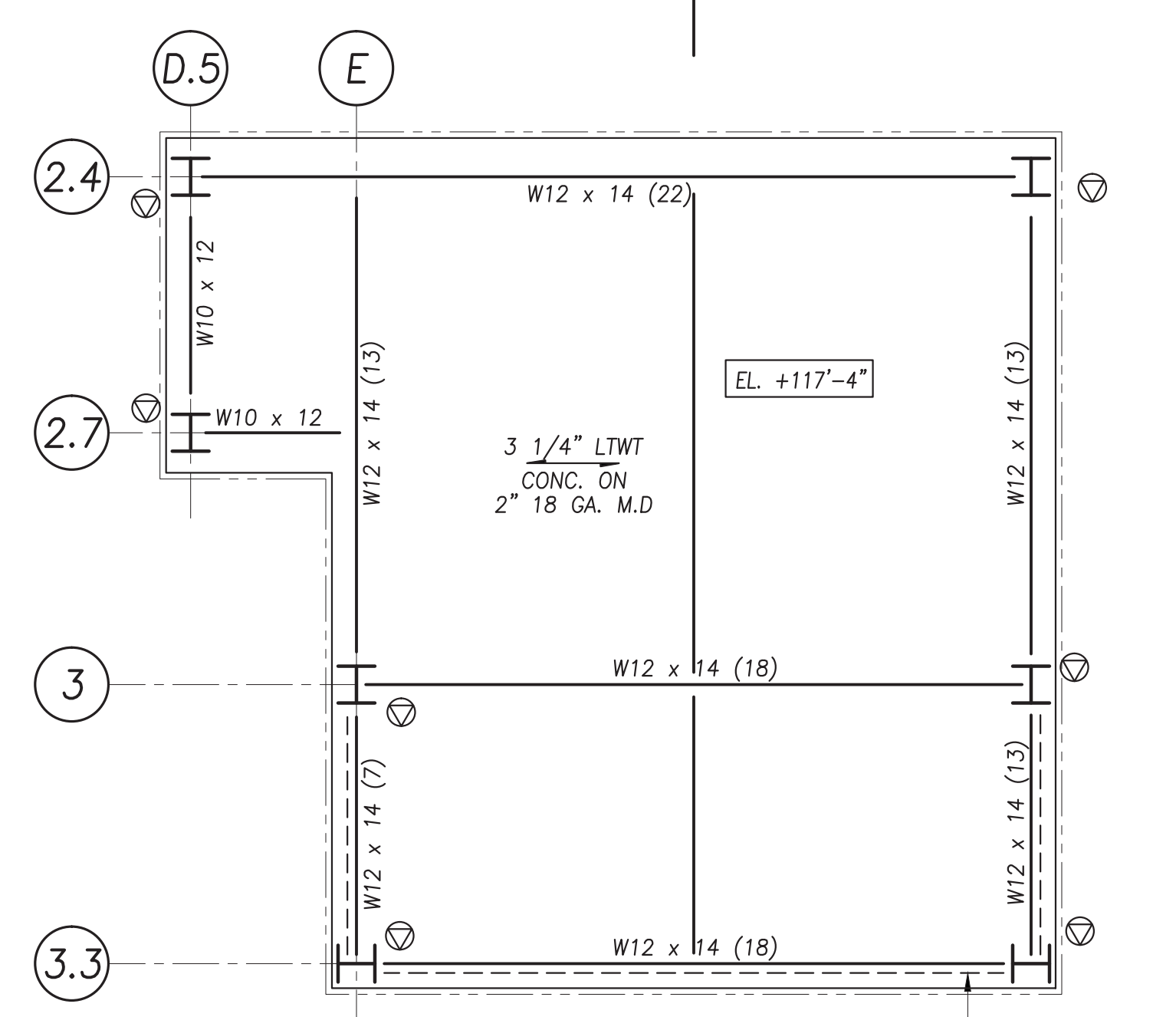
Scale: AS NOTED

Date: 26 MAY 2015

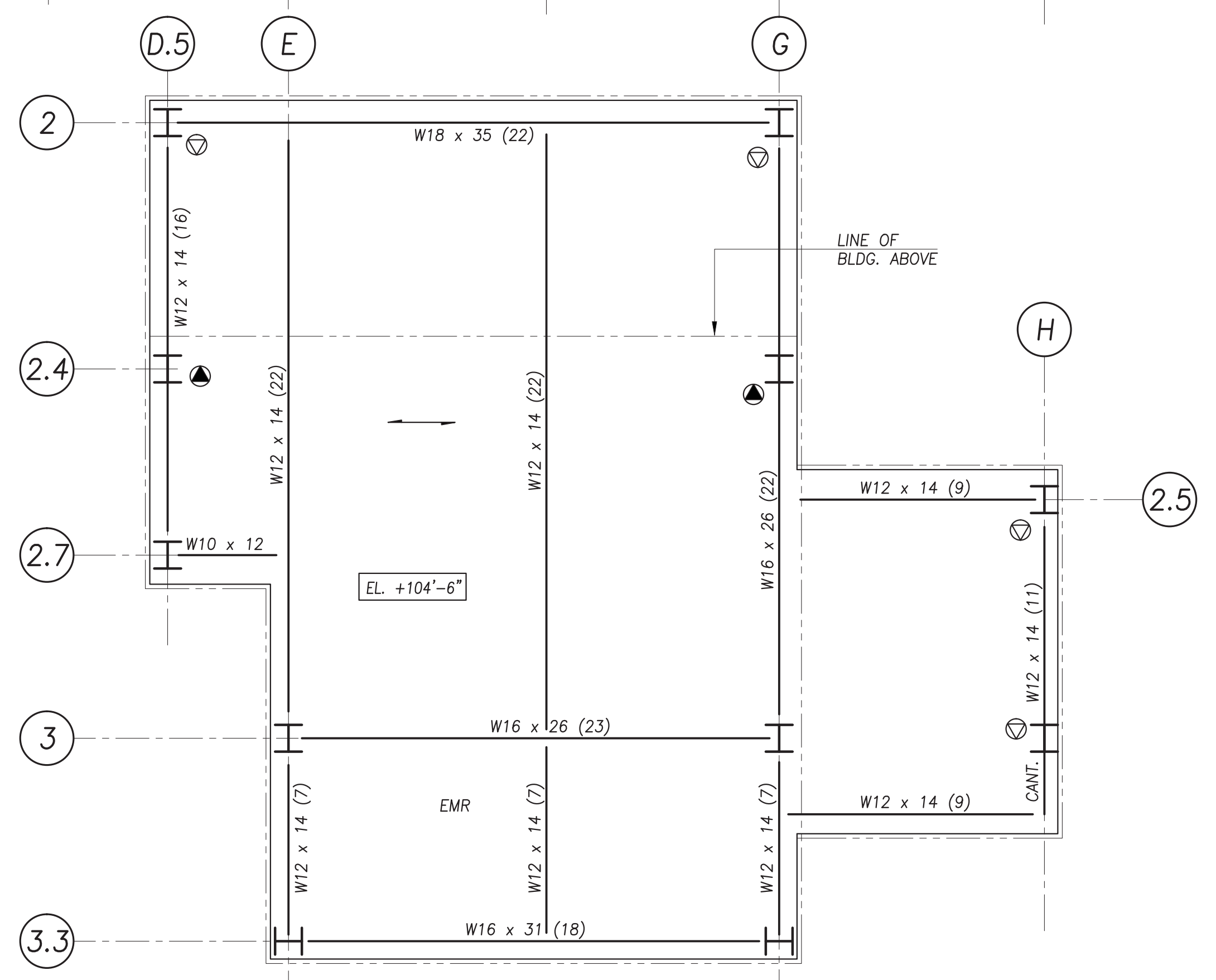
Dwg. No.:
S-105.00
OF



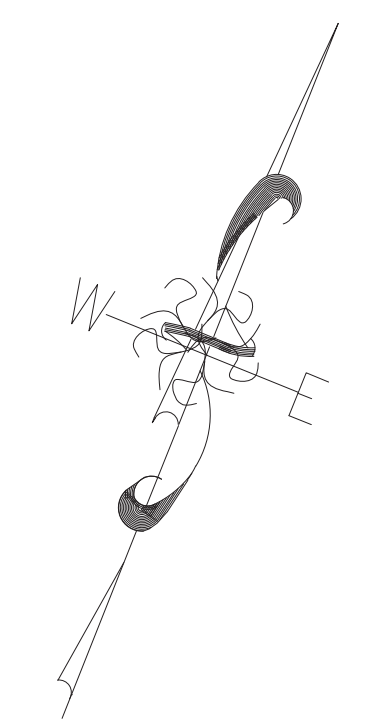
ROOF FRAMING PLAN
1/4" = 1'-0"



EMR ROOF PLAN
1/4" = 1'-0"



EMR AND BULKHEAD ROOF PLAN
1/4" = 1'-0"



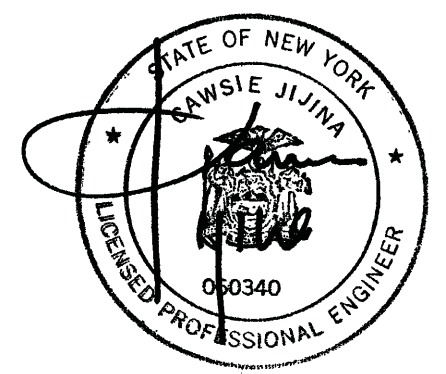
172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

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18 East 50th Street Suite 602
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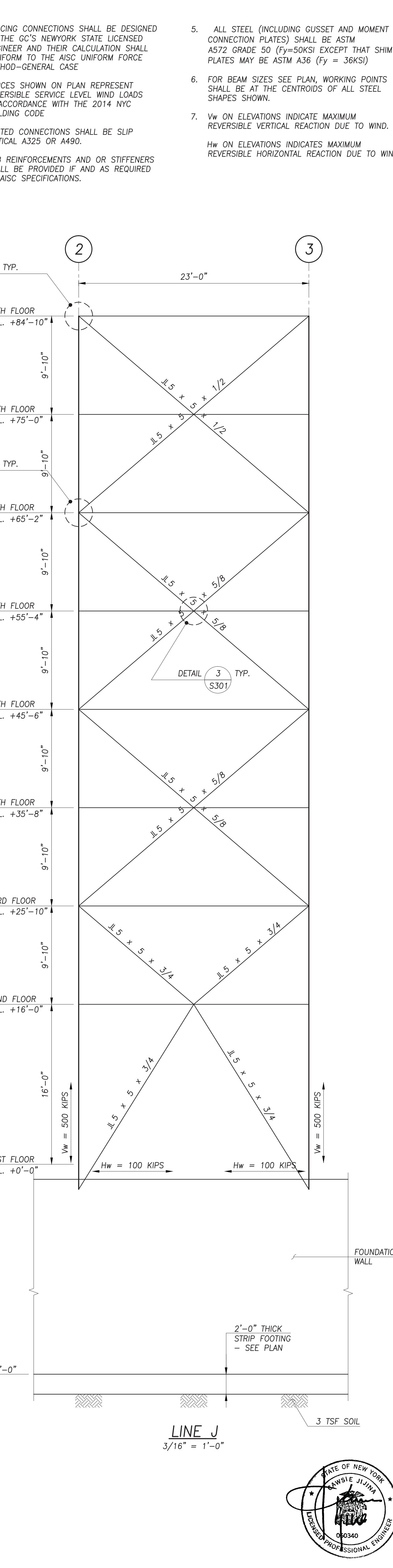
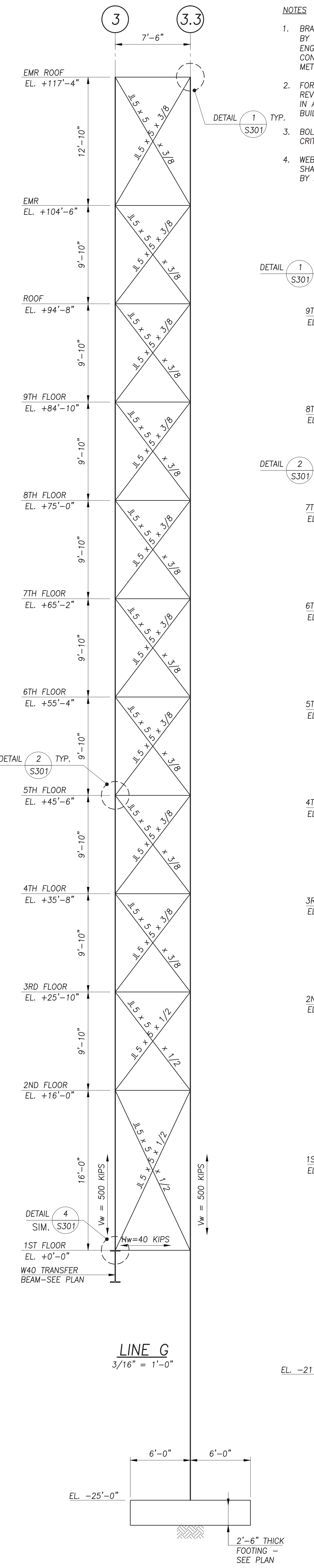
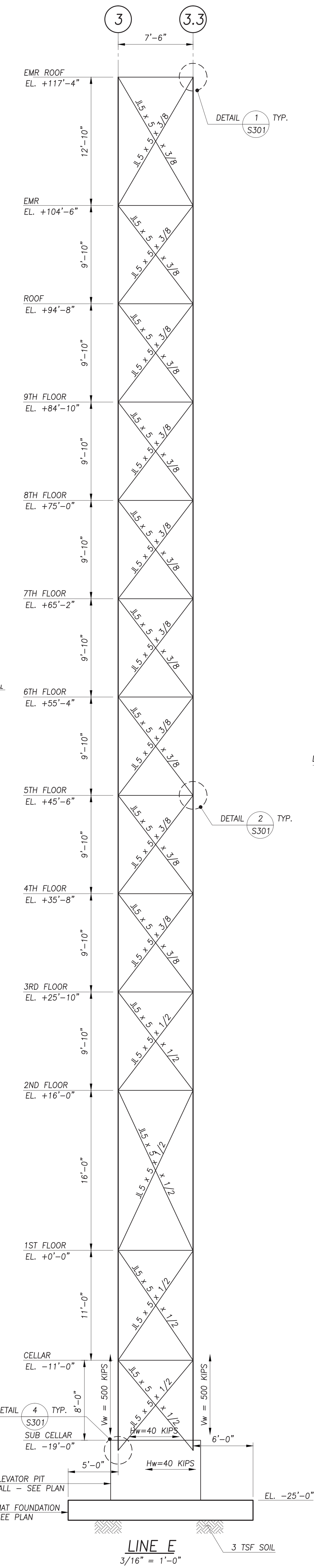
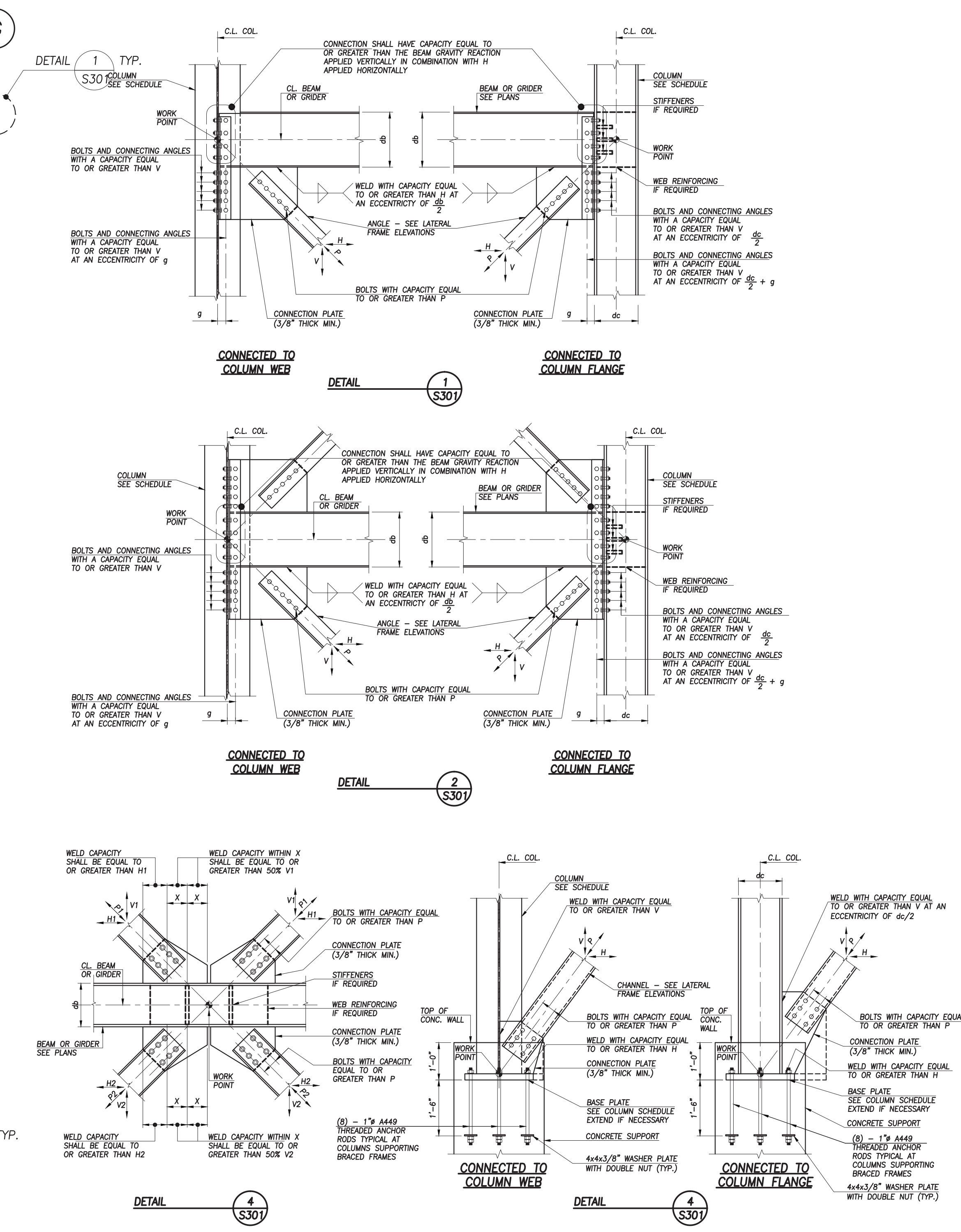
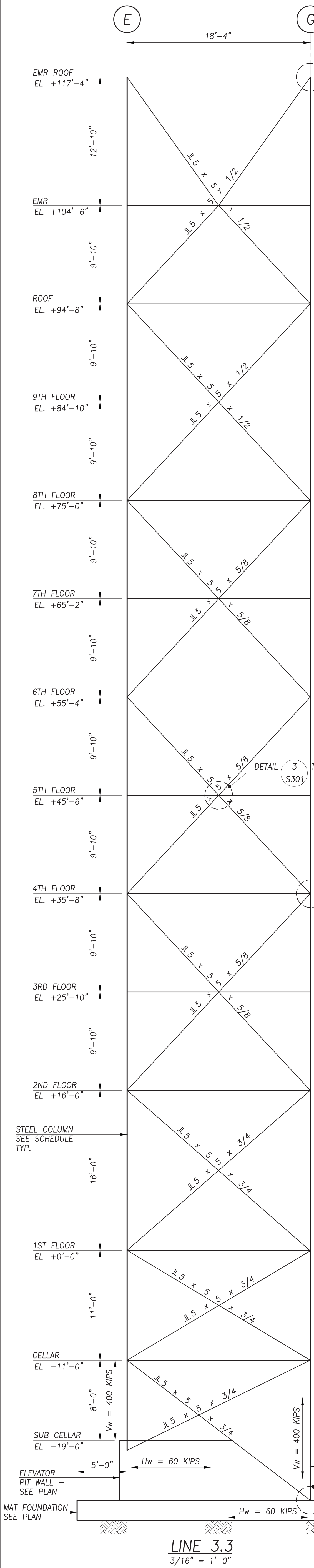
Title:
ROOF FRAMING PLANS
Scale: AS NOTED Dwg. No.: **S-106.00**
Date: 26 MAY 2015 OF



172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

- NOTES**
- BRACING CONNECTIONS SHALL BE DESIGNED BY THE GC'S NEW YORK STATE LICENSED ENGINEER AND THEIR CALCULATION SHALL CONFORM TO THE AISC UNIFORM FORCE METHOD-GENERAL CASE.
 - FORCES SHOWN ON PLAN REPRESENT REVERSIBLE SERVICE LEVEL WIND LOADS IN ACCORDANCE WITH THE 2014 NYC BUILDING CODE.
 - BOLTED CONNECTIONS SHALL BE SLIP CRITICAL A325 OR A490.
 - WEB REINFORCEMENTS AND OR STIFFENERS SHALL BE PROVIDED IF AND AS REQUIRED BY AISC SPECIFICATIONS.
 - ALL STEEL (INCLUDING GUSSET AND MOMENT CONNECTION PLATES) SHALL BE ASTM A572 GRADE 50 (F_y=50KSI EXCEPT THAT SHIM PLATES MAY BE ASTM A36 (F_y = 36KSI)).
 - FOR BEAM SIZES SEE PLAN, WORKING POINTS SHALL BE AT THE CENTROIDS OF ALL STEEL SHAPES SHOWN.
 - V_w ON ELEVATIONS INDICATE MAXIMUM REVERSIBLE VERTICAL REACTION DUE TO WIND.
H_w ON ELEVATIONS INDICATES MAXIMUM REVERSIBLE HORIZONTAL REACTION DUE TO WIND.



- NOTES:**
- WELDS, BOLTS, CONNECTION PLATES AND ANGLE CAPACITIES SHALL BE AS REQUIRED BY AISC SPECIFICATIONS.
 - WEB REINFORCING AND/OR STIFFENERS SHALL BE PROVIDED IF AND AS REQUIRED BY THE AISC SPECIFICATIONS.
 - FOR MAGNITUDE OF BRACING FORCES (P), SEE LATERAL FRAME ELEVATIONS, DETAILS AND/OR SCHEDULES.

DETAIL 4 TYP. S301

DETAIL 2 TYP. S301

DETAIL 3 TYP. S301

DETAIL 1 TYP. S301

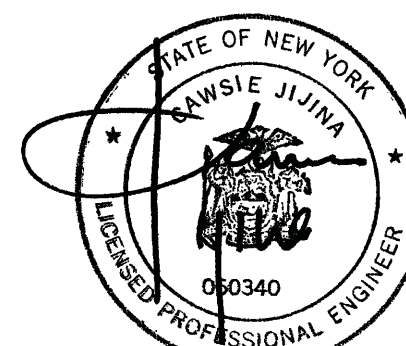
DETAIL 1 TYP. S301

DETAIL 1 TYP. S301

Notes:

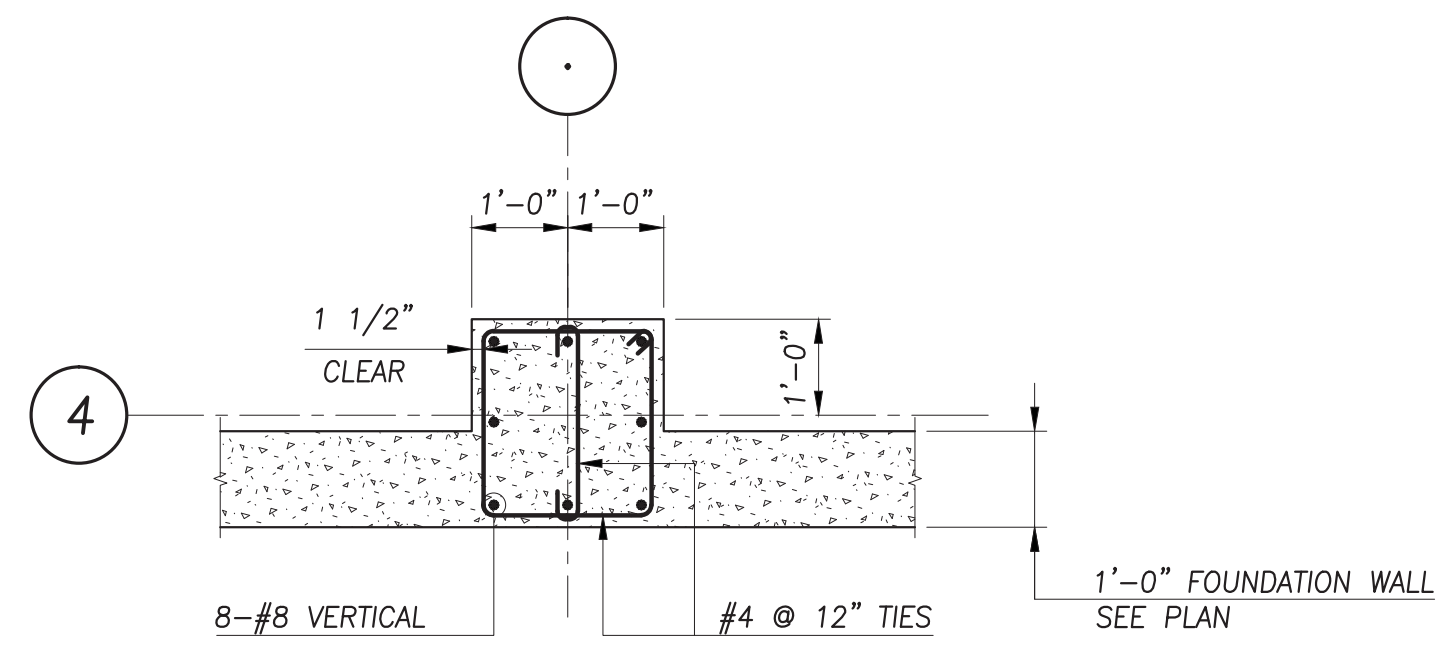
FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title: **BRACING SCHEDULE AND MOMENT FRAMES**
Scale: AS NOTED
Date: 26 MAY 2015
Dwg. No.: **S-301.00**
OF

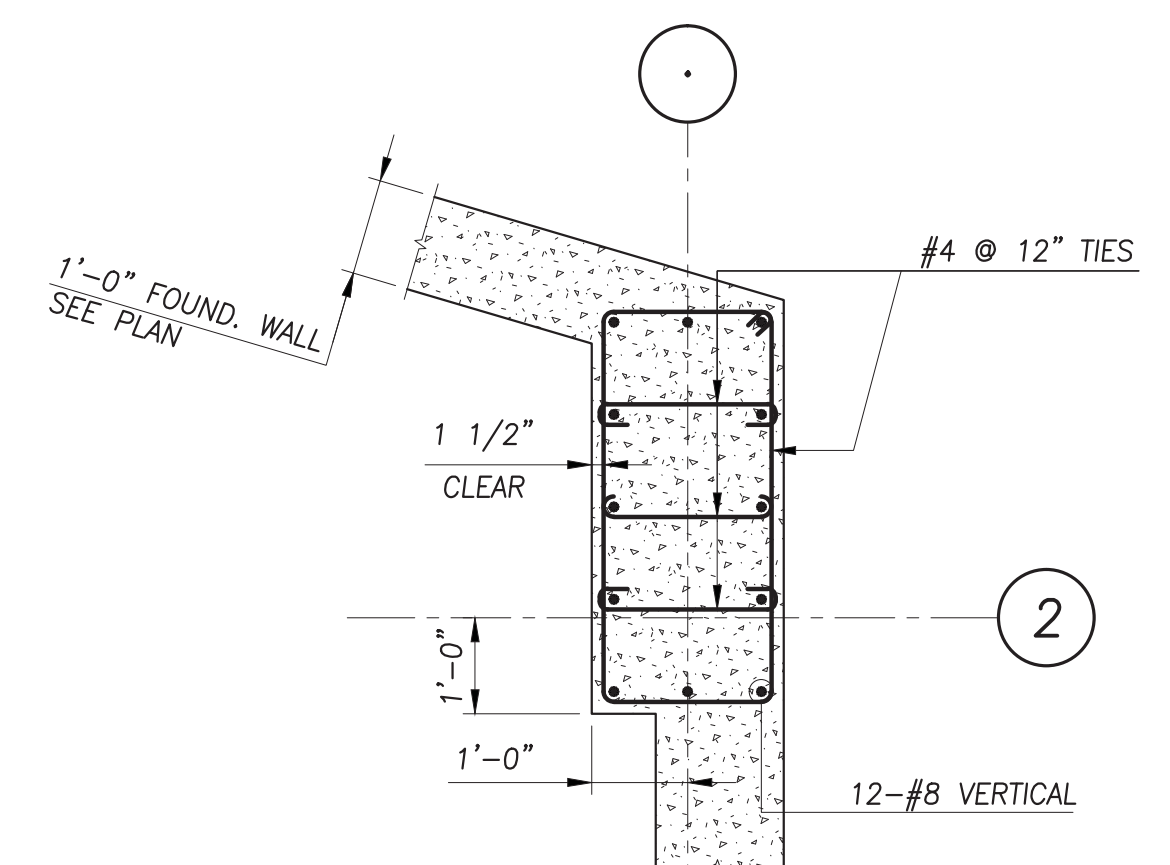


COLUMN SCHEDULE

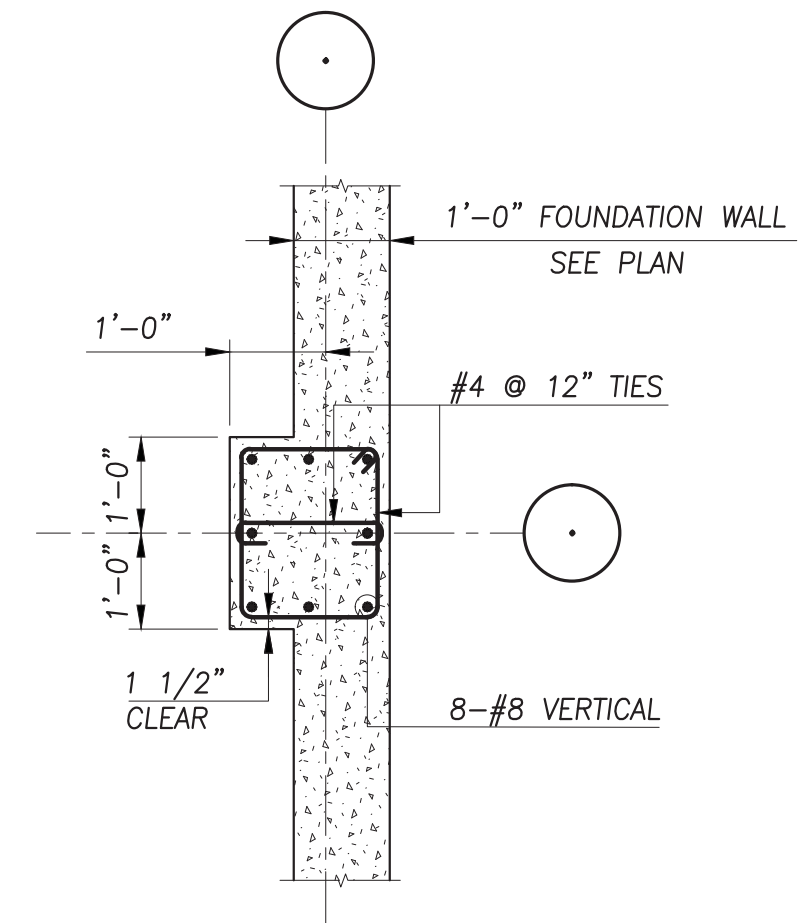
COLUMN	A				B		B.7		C				C7	D				D.5			E	E.4	F				G				H				J									
FLOOR	1.3	1.8	2	3	4	1	3	3.6	1	1.8	2	3	4	3.6	1	2	3	4	2	2.4	2.7	3	3.3	3.6	1	2	3	4	2	2.4	3	3.3	1	2	2.5	3	4	1	2	3	4			
EMR ROOF EL. +117'-4"																																												
EMR EL. +104'-6"																																												
ROOF EL. +94'-8"																																												
9TH FLOOR EL. +84'-10"																																												
8TH FLOOR EL. +75'-0"																																												
7TH FLOOR EL. +65'-2"																																												
6TH FLOOR EL. +55'-4"																																												
5TH FLOOR EL. +45'-6"																																												
4TH FLOOR EL. +35'-8"																																												
3RD FLOOR EL. +25'-10"																																												
2ND FLOOR EL. +16'-0"																																												
1ST FLOOR EL. +0'-0"																																												
CELLAR EL. -11'-0"																																												
SUBCELLAR EL. -20'-0"																																												



BUTTRESS TYPE A
1/2" = 1'-0"



BUTTRESS TYPE B
1/2" = 1'-0"



BUTTRESS TYPE C
1/2" = 1'-0"

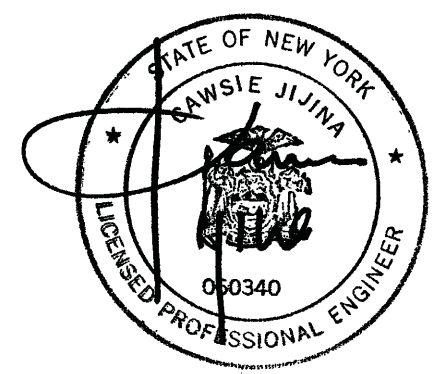
- NOTES**
 1. ALL LOADS SHOWN ARE MAXIMUM DOWNWARDS SERVICE LOADS IN KIIPS.
 2. ⊗ ON PLAN INDICATES TRANSFER ORDER

172-02 HILLSIDE AVENUE

Jamaica, New York
 New Residential Development

Notes:

FRANK DENNER ARCHITECT
 Architecture Interior Design Invention
 18 East 50th Street Suite 602
 New York, New York 10022
 Tel 212 319 8852 Fax 212 319 0415



Title: **COLUMN SCHEDULE**
 Scale: AS NOTED
 Dwg. No.: **S-401.00**
 Date: 26 MAY 2015

- G GENERAL
- G.1 ALL WORK SHALL COMPLY WITH THE NEW YORK CITY BUILDING CODE.
- G.2 THE STRUCTURAL CONSTRUCTION DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ARCHITECTURAL AND MECHANICAL CONSTRUCTION DRAWINGS.
- G.3 BEFORE PROCEEDING WITH ANY WORK, THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL VERIFY THAT ALL MAJOR DIMENSIONS (LOCATIONS OF GRID LINES, COLUMNS, SLAB EDGES, ETC.) SHOWN ON STRUCTURAL DRAWINGS ARE THE SAME AS SHOWN ON ARCHITECTURAL DRAWINGS AND THAT EXISTING CONDITIONS ARE AS INDICATED. ANY VARIANCES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IN WRITING.
- G.4 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL COORDINATE THE LOCATION OF FRAMING AROUND ELEVATORS, STAIRS AND SHAFTS WITH THE ELEVATOR, STAIR, MECHANICAL, ELECTRICAL AND PLUMBING CONTRACTORS.
- G.5 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL BE SOLELY RESPONSIBLE FOR COORDINATION BETWEEN TRADES INCLUDING BUT NOT LIMITED TO THE LOCATION OF FLOTS, TRENCHES AND SLEEVES AS REQUIRED FOR THE MECHANICAL OR OTHER TRADES AND THE PROVISION AND/OR INSTALLATION OF ANCHORS, INSERTS, HANGERS, ETC. AS REQUIRED FOR THE VARIOUS TRADES.
- G.6 CONTROL OVER OR CHARGE OF AND RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK OF THE PROJECT ARE SOLELY THE GENERAL CONTRACTOR'S OR CONSTRUCTION MANAGER'S RESPONSIBILITY.
- G.7 THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ACTS OR OMISSIONS OF CONTRACTORS OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONSTRUCTION CONTRACT.
- G.8 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL BE SOLELY AND FULLY RESPONSIBLE FOR THE SAFETY AND STABILITY OF EXISTING ADJACENT STRUCTURES INCLUDING BUT NOT LIMITED TO BUILDINGS, SIDEWALKS, ROADWAYS AND UTILITIES AND FOR ANY METHODS REQUIRED TO ENSURE THAT SAFETY AND STABILITY.
- G.9 THE DESIGN, CONSTRUCTION, INSPECTION AND MAINTENANCE OF TEMPORARY STRUCTURES OR PROCEDURES INCLUDING BUT NOT LIMITED TO SUPPORT FOR AND STABILITY OF CRANES OR HOISTS OR LIFTS OR OTHER SIMILAR EQUIPMENT, TEMPORARY GUYING OR BRACING, SCAFFOLDING, FORMWORK OR SHORING, DEWATERING, SHEETING OR UNDERPINNING, CONSTRUCTION STORAGE OR STAGING AREAS, SIDEWALK BRIDGES OR CONSTRUCTION FLEETS, TEMPORARY ENCLOSURES AT OPENINGS, AT THE BUILDING'S PERIMETER, OR ELSEWHERE, ETC., ARE SOLELY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND/OR CONTRACTORS AND/OR CONSULTANTS RETAINED BY THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER.
- G.10 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL MAKE NO DEVIATION FROM CONTRACT DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT.
- G.11 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL REPORT TO THE ARCHITECT, IN WRITING, ANY DISCREPANCIES, AMBIGUITIES OR CONTRADICTIONS IN THE CONSTRUCTION DOCUMENTS.
- G.12 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER RESPONSIBLE FOR CONTROLLED OR SPECIAL INSPECTIONS, IN A TIMELY MANNER, WHEN WORK IS READY FOR INSPECTION.
- SD SHOP DRAWINGS – STRUCTURAL
- SD.1 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL SUBMIT STRUCTURAL SHOP DRAWINGS TO THE ARCHITECT AFTER THE GC OR CM HAS REVIEWED AND NOTED ON THESE SUBMITTALS THAT THEY ARE IN CONFORMANCE WITH CONTRACT REQUIREMENTS, THE STRUCTURAL ENGINEER UPON RECEIPT OF THESE SUBMITTALS FROM THE ARCHITECT, WILL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION UPON AND RETURN TO THE ARCHITECT FOR FINAL DISPOSITION.
- SD.2 CHANGES OR NON-CONFORMANCE TO CONTRACT REQUIREMENTS SHALL BE FLAGGED ON SUBMITTALS.
- SD.3 SUBMITTALS SHALL NOT BE USED AS A SUBSTITUTE FOR REQUESTS FOR, OR APPROVALS OF SUBSTITUTIONS OR OTHER CHANGES OR PROCEDURES REQUIRED BY THE CONSTRUCTION CONTRACT.
- SD.4 PRIOR TO SUBMITTING SHOP DRAWINGS, THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL SUBMIT A SHOP DRAWING SUBMITTAL SCHEDULE FOR THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE ARCHITECT. THE SCHEDULE SHALL INCLUDE THE DATES WHEN DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT AND THE NUMBER OF DRAWINGS AND TYPE OF DETAILS (PLANS, SCHEDULES, BEAMS, COLUMNS, ETC.) THAT WILL BE SUBMITTED ON EACH SUBMISSION DATE.
- SD.5 THE STRUCTURAL ENGINEER'S REVIEW OF, APPROVAL OF, OR OTHER ACTION UPON THE SHOP DRAWINGS IS ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND INFORMATION EXPRESSED IN CONTRACT DOCUMENTS PREPARED BY THE STRUCTURAL ENGINEER.
- SD.6 THE STRUCTURAL ENGINEER'S REVIEWS SHALL NOT INCLUDE THE ACCURACY OR COMPLETENESS OF DETAILS SUCH AS HEIGHTS, GAUGES, FABRICATION OR ERECTION PROCESS, CONSTRUCTION MEANS OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR.
- SD.7 THE STRUCTURAL ENGINEER'S REVIEW OF A SPECIFIC ITEM SHALL NOT EXTEND TO A REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.
- SD.8 THE STRUCTURAL ENGINEER WILL NOT REVIEW SUBMISSIONS WHICH ARE PARTIALLY COMPLETE.
- SD.9 NO WORK MAY COMMENCE UNTIL ALL RELEVANT SHOP DRAWINGS HAVE BEEN REVIEWED AND FINAL APPROVAL WITH NO EXCEPTIONS HAS BEEN GRANTED BY THE ARCHITECT.
- SD.10 THE USE OF THE "REQUEST FOR INFORMATION" (RFI) PROCESS IS STRICTLY A FORM OF COMMUNICATION BETWEEN CM/GC AND THE DESIGN TEAM AND ITS SOLE PURPOSE IS TO RESOLVE MINOR ISSUES AND SHALL NOT BE USED TO PRE-PREPARE SHOP DRAWINGS.
- SD.11 STRUCTURAL STEEL SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED WHO IS EXPERIENCED IN THE DETAILING OF STRUCTURAL STEEL AND HAS A THOROUGH WORKING KNOWLEDGE OF THE REQUIREMENTS, SUGGESTIONS, EXAMPLES AND COMMENTARIES OF THE AISC MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS AND THE AMERICAN WELDING SOCIETY (AWS) D1.1 "STRUCTURAL WELDING CODE-STEEL".
- SD.12 STRUCTURAL STEEL PIECE DRAWINGS SHALL NOT BE SUBMITTED UNTIL ERECTION PLANS AND TYPICAL CONNECTION DETAIL DRAWINGS (GENERALLY REFERRED TO AS JOB STANDARDS), HAVE BEEN REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER AND ARCHITECT.
- SD.13 IF THE STRUCTURAL ENGINEER OF RECORD SO REQUESTS, THE CONSTRUCTION MANAGER AND/OR THE GENERAL CONTRACTOR SHALL SUBMIT CALCULATIONS FOR ANY OR ALL CONNECTIONS OR JOB STANDARDS SHOWN ON SHOP DRAWINGS. THESE CALCULATIONS SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER SUPERVISING THE PREPARATION OF SHOP DRAWINGS.
- SD.14 SHOP DRAWINGS FOR CONCRETE WORK SHALL BE PREPARED UNDER THE SUPERVISION OF AN EXPERIENCED DETAILER FOR CONCRETE STRUCTURES WHO HAS A THOROUGH WORKING KNOWLEDGE OF THE REQUIREMENTS, SUGGESTIONS, EXAMPLES AND COMMENTARIES OF ACI 318- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 315-DETAILS AND DETAILING OF CONCRETE REINFORCEMENT AND THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".
- SD.15 SHOP DRAWINGS FOR CONCRETE WORK SHALL INCLUDE BUT NOT BE LIMITED TO BENDING DETAILS, LOCATION AND LENGTH OF ALL LAPS AND VERTICAL AND HORIZONTAL LOCATION OF ALL REINFORCEMENT (BARS AND WELDED WIRE FABRIC AND REINFORCEMENT) INCLUDING THE REINFORCEMENT IN SLABS CAST ON GRADE.
- SD.16 METAL DECK SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF AN EXPERIENCED DETAILER FOR METAL DECK WHO HAS A THOROUGH WORKING KNOWLEDGE OF AWS D1.3 STRUCTURAL WELDING CODE – SHEET STEEL AND THE SDI MANUAL FOR FLOOR DECKS AND ROOF DECKS.
- SD.17 METAL DECK SHOP DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO THE TYPE AND GAGE OF DECK, LOCATION AND SIZE OF ALL WELDING TO STRUCTURAL STEEL, LOCATION AND TYPE OF SIDE LAP FASTENINGS, LOCATION AND SIZE OF SHEAR STUDS (IF ANY), CLOSURES, SUPPLEMENTARY FRAMING (IF ANY), SUMP PANS, CANT STRIPS, ETC.

- F FOUNDATION WORK
- F.1 FOOTINGS SHALL BEAR ON UNDISTURBED SOIL HAVING A SAFE BEARING CAPACITY OF 3 TONS PER SQ. FT.
- F.2 ELEVATIONS OF THE BOTTOM OF THE FOOTINGS ARE INDICATED ON THE FOUNDATION PLAN, BUT ARE SUBJECT TO REVISION WHEN THE TRUE CONDITIONS ARE REVEALED BY THE EXCAVATIONS.
- F.3 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND/OR THE LATERAL LOADS CONTRACTOR AND/OR THE SOE ENGINEER SHALL BE SOLELY AND FULLY RESPONSIBLE FOR ALL EXCAVATION WORK INCLUDING BUT NOT LIMITED TO THE DESIGN, INSTALLATION AND MAINTENANCE OF SHEETING AND SHORING, PROTECTION OF SLOPES, UNDERPINNING AND DEWATERING.
- F.4 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND/OR THE FOUNDATION CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED TO DESIGN ALL SHEETING AND SHORING, UNDERPINNING AND DEWATERING SYSTEMS.
- F.5 THE SLOPE BETWEEN ADJACENT FOOTING BOTTOMS SHALL NOT EXCEED 1 VERTICAL TO 2 HORIZONTAL.
- F.6 FOUNDATION WALLS AND/OR GRADE BEAMS SHALL BE CAST IN ALTERNATE PANELS NOT TO EXCEED 60 FEET IN LENGTH. CONSTRUCTION JOINTS SHALL BE PLACED AT POINTS OF MINIMUM SHEAR, GENERALLY AT MIDSPAN. ALLOW 7 DAYS MINIMUM BETWEEN ADJACENT POURS.
- F.7 HORIZONTAL JOINTS IN WALLS OR GRADE BEAMS SHALL BE PERMITTED ONLY IF AND AS SHOWN.
- F.8 FOUNDATION WALLS AND/OR GRADE BEAMS, SHALL BE TEMPORARILY BRACED LATERALLY TO RESIST EARTH PRESSURE, WIND, CONSTRUCTION LOADS AND OTHER LATERAL LOADS. UNTIL FRAMED SLABS AND SLABS ON GRADE THAT PERMANENTLY BRACE THESE WALLS AND/OR GRADE BEAMS HAVE BEEN IN PLACE 28 DAYS (MINIMUM).
- F.9 TRUCKS, BULLDOZERS OR OTHER HEAVY EQUIPMENT SHALL NOT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL BEFORE THE COMPLETE STRUCTURAL FRAME IS IN PLACE.
- F.10 AN ALLOWANCE OF \$50,000 DOLLARS SHALL BE INCLUDED IN THE BID FOR REDESIGN COST, AS NOTED HEREIN. ANY REDESIGN COST OVER AND ABOVE THE ALLOWANCE SHALL BE BORNE BY THE CONTRACTOR, ANY PORTION OF THE ALLOWANCE NOT ACTUALLY USED FOR REDESIGN SHALL BE RETURNED TO THE OWNER, AT THE TIME THE PILES ARE FINALLY ACCEPTED. THIS ALLOWANCE IS STRICTLY FOR INVESTIGATION AND/OR REDESIGN DUE TO FIELD CONDITIONS, SUCH AS PILES DRIVEN OUT OF POSITION OR ALIGNMENT, REPLACEMENT PILES FOR REJECTIONS, DESIGN OF THE BEAMS TO RECTIFY THE ABOVE CONDITIONS, ETC. ANY REDESIGN COST DUE TO PROPOSAL OF A PILE OTHER THAN THAT SPECIFIED WILL BE CONSIDERED TO BE OUTSIDE THE SCOPE OF THIS ALLOWANCE.
- S STRUCTURAL STEEL
- S.1 ALL STRUCTURAL STEEL MATERIAL, FABRICATION AND ERECTION SHALL COMPLY WITH THE PROVISIONS OF THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, INCLUDING THE COMMENTARY AND ANY SUPPLEMENTS.
- S.2 ALL STRUCTURAL STEEL SHALL BE ASTM A992 OR ASTM A572, GRADE 50 STEEL. ALL HSS RECTANGULAR AND ROUND STEEL SHALL BE ASTM A500, GRADE B. PLATES, ANGLES, ETC., USED AS CONNECTION MATERIAL MAY BE ASTM A36 STEEL. THE TYPE OF STEEL FOR ALL STRUCTURAL STEEL SHAPES, PLATES, BARS, ETC. SHALL BE INDICATED ON SHOP DRAWINGS.
- S.3 THE STEEL CONTRACTOR SHALL FURNISH MILL TEST REPORTS FROM THE PRODUCER OF STEEL CERTIFYING THAT THE STEEL MEETS THE MINIMUM REQUIREMENTS AS DEFINED BY ASTM SPECIFICATIONS. IF REQUIRED BY THE APPLICABLE BUILDING CODE, STEEL MILL REPORTS AND COMPLETION CERTIFICATES SHALL BE FILED WITH THE BUILDING DEPT.
- S.4 ALL CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL CONFORM TO THOSE SHOWN IN THE AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION, WHERE POSSIBLE. ALL SHOP CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED OR WELDED. ALL FIELD CONNECTIONS SHALL BE WELDED OR MADE WITH HIGH-STRENGTH BOLTS WITH HARDENED WASHERS, INSTALLED BY MEANS OF PNEUMATIC WRENCHES AND TORQUED TO THE REQUIRED VALUE, IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS APPROVED BY THE RESEARCH COUNCIL ON RIVETED AND BOLTED JOINTS.
- S.5 ALL BEAM TO BEAM/GIRDER OR BEAM/GIRDER TO COLUMN CONNECTIONS SHALL HAVE A CAPACITY OF 60% (FOR NON-COMPOSITE BEAMS) AND 100% (FOR COMPOSITE BEAMS) OF THE TOTAL UNIFORMLY DISTRIBUTED DESIGN LOAD FOR THE SIZE, SHAPE, SPAN AND P_f OF THE BEAM TO BE CONNECTED. THE EFFECT OF ANY CONCENTRATED LOADS AT THE ENDS OF THE BEAM (NEAR THE CONNECTION) SHALL ALSO BE INCLUDED. THE TOTAL UNIFORMLY DISTRIBUTED DESIGN LOADS SHALL BE CALCULATED USING THE TABLES FOR UNIFORM LOAD CONSTANTS FOR BEAMS CONTAINED IN THE AISC STEEL CONSTRUCTION MANUAL.
- S.6 UNLESS OTHERWISE SHOWN IN TYPICAL DETAILS, COLUMN SPLICES SHALL BE 4'-0" ABOVE FINISHED FLOOR AND SHALL CONFORM TO SUGGESTED COLUMN SPLICE DETAILS. SHOWN IN THE AISC STEEL CONSTRUCTION MANUAL. THE CAPACITY OF THE SPLICE SHOULD BE NOT LESS THAN AN ULTIMATE LOAD OF 180 KIPS (TENSION OR COMPRESSION).
- S.7 ALL WELDING SHALL BE IN ACCORDANCE WITH THE STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY
- S.8 WELDING ELECTRODES SHALL CONFORM TO ASTM SPECIFICATION E-70XX. ALL BUTT WELDS SHALL BE 100% PENETRATION WELDS AND FILLET WELDS SHALL BE MINIMUM 1/4" IF REQUIRED BY THE BUILDING CODE, COPIES OF TEST REPORTS SHALL BE FILED WITH THE BUILDING DEPT.
- S.9 ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM UNLESS OTHERWISE NOTED.
- S.10 FOR COMPOSITE CONSTRUCTION, THE NUMBER IN PARENTHESIS AFTER THE BEAM DESIGNATION INDICATES THE TOTAL NUMBER OF 3/4" DIAMETER HEADED SHEAR CONNECTORS. SEE TYPICAL DETAILS FOR PLACEMENT AND FURTHER DETAILS. REGARDLESS OF THE QUANTITY OF STUDS SHOWN ON THE PLAN, THE MINIMUM SPACING FOR STUDS SHALL NOT EXCEED 12" ON CENTER.
- S.11 CAMBER BEAMS AND GIRDERS, AS SHOWN ON PLANS THUS C=_____ WHERE NO CAMBER IS CALLED FOR, FABRICATE AND ERECT BEAMS WITH NATURAL CAMBER UP.
- S.12 ALL CONTACT SURFACE WITHIN HIGH-STRENGTH BOLT CONNECTIONS AND WELDING AREAS SHALL BE FREE OF OIL, PAINT, LACQUER OR GALVANIZING.
- S.13 THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PLATES, CLIP ANGLES, CONNECTIONS, NAILER HOLES, ETC., REQUIRED FOR THE COMPLETION OF THE STRUCTURE OR BY OTHER TRADES, EVEN IF EVERY SUCH ITEM IS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- S.14 THE STEEL FRAMING SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE, WIND, POSSIBLE LATERAL CONSTRUCTION LOADS OR UNBALANCES CAUSED BY CONSTRUCTION SEQUENCING UNTIL SLABS, BEAMS, COLUMNS, BRACING AND ANY OTHER STRUCTURAL MEMBERS ARE IN PLACE. BRACING AND ANY OTHER STRUCURE ARE IN PLACE AND HAVE ATTAINED THEIR REQUIRED STRENGTH OR HAVE HAD THEIR PERMANENT CONNECTIONS MADE. THE GENERAL CONTRACTOR AND/OR THE CONSTRUCTION MANAGER AND/OR THE STEEL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE INTEGRITY OF THE STEEL STRUCTURE DURING ERECTION AND CONSTRUCTION.
- S.15 THE STRUCTURAL STEEL SHALL BE ERECTED TO THE TOLERANCE CALLED FOR IN THE AISC CODE OF STANDARD PRACTICE UNLESS MORE STRINGENT TOLERANCES ARE SPECIFIED BY OTHER TRADES SUCH AS BUT NOT LIMITED TO PRECAST ELEVATOR, STAIR OR FAÇADE CONTRACTORS. THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL COORDINATE.
- S.16 THE USE OF LEVELING PLATES UNDER COLUMN BASE PLATES WILL NOT BE PERMITTED.
- S.17 ALL GROUT FOR BASE PLATES AND ANCHOR BOLTS SHALL BE OF A NON-SHRINKAGE TYPE WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 7,500 PSI AFTER 28 DAYS.
- S.18 PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR MASONRY WALLS AS SCHEDULED BELOW, EXCEPT WHERE OTHERWISE DETAILED ON THE DRAWINGS.

MASONRY OPENINGS	NOMINAL MASONRY WALL THICKNESS				
	4"	6"	8"	10"	12"
4'-11" OR LESS	1L 4x $2\frac{1}{2}$ x $\frac{1}{8}$	1L 5x5x $\frac{1}{8}$	2LS 4x $2\frac{1}{2}$ x $\frac{1}{8}$	2LS 4x4x $\frac{1}{8}$	2LS 5x5x $\frac{1}{8}$
5'-0" TO 7'-0"	1L 5x $3\frac{1}{2}$ x $\frac{1}{8}$	1L 5x5x $\frac{1}{8}$	2LS 4x $3\frac{1}{2}$ x $\frac{1}{8}$	2LS 6x4x $\frac{1}{8}$	2LS 5x5x $\frac{1}{8}$

SHORT LEGS ARE HORIZONTAL
LENGTH OF LINTELS = M.O + 12" (6" BEARING EACH SIDE)

- C CAST-IN-PLACE CONCRETE
- C.1 ALL CONCRETE WORK SHALL CONFORM TO THE ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- C.2 CONCRETE
- C.2A UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL BE NORMAL WEIGHT (STONE) CONCRETE HAVING A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 6000 PSI AT 28 DAYS.
- C.2B LIGHTWEIGHT CONCRETE SHALL HAVE A MAXIMUM DRY WEIGHT OF 114 PCF AND A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- C.3 REINFORCING
- C.3A BAR REINFORCING SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A 615, GRADE 60.
- C.3B WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 82 AND A 185.
- C.3C ALL REINFORCING IN PARKING STRUCTURE DECKS SHALL BE GALVANIZED (IN ACCORDANCE WITH ASTM A767) OR EPOXY-COATED (IN ACCORDANCE WITH ASTM A 775).
- C.4 ADMIXTURES
- C.4A ALL CONCRETE EXPOSED TO THE WEATHER IN THE FINISHED BUILDING AND ALL LIGHTWEIGHT CONCRETE SHALL BE AIR-ENTRAINED.
- C.4B ALL STONE CONCRETE FOR SLABS ON GRADE AND LIGHTWEIGHT CONCRETE ON METAL DECK SHALL CONTAIN A HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).
- C.4C ALL CONCRETE FOR PARKING STRUCTURE DECKS, INCLUDING SLAB ON GRADE SHALL CONTAIN A CALCIUM NITRATE BASED CORROSION INHIBITOR SUCH AS D.C.I., AS MANUFACTURED BY W.R. GRACE, IN THE AMOUNT OF 3.6 GALLONS PER CUBIC YARD OF CONCRETE, OR APPROVED EQUIVALENT.
- C.5 DEVELOPMENT LENGTHS OF REINFORCING (Ld, Ldh or Ldc) SHALL BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.
- C.6 ALL HORIZONTAL BARS IN WALLS AND BEAMS, AND BARS MARKED CONT. (CONTINUOUS) SHALL BE LAPPED A DISTANCE 1d AT SPLICES AND AT CORNERS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND BOTTOM BARS AT SUPPORTS. HOOK ALL TOP BARS AT NON-CONTINUOUS ENDS.
- C.7 ALL LENGTHS OF HOOKED BARS INDICATED ON DRAWINGS DO NOT INCLUDE EXTENSION FOR HOOK.
- C.8 ALL DETAILS OF BENDS AND HOOKS SHALL BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7.
- C.9 ALL REINFORCING SHALL BE HELD RIGIDLY AND ACCURATELY IN PLACE, AND PROTECTED AGAINST DISPLACEMENT BEFORE AND DURING CASTING. IF NECESSARY, ADDITIONAL BARS AND/OR STIRRUPS SHALL BE PROVIDED TO FURNISH SUPPORT FOR ALL REINFORCING.
- C.10 PROVIDE CLEARANCES FROM FACES OF CONCRETE TO REINFORCEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7, IN THE FIRST PARAGRAPH OF 7.7.1, THE WORD "MINIMUM" SHALL BE REPLACED WITH THE WORD "CLEAR".
- C.11 PROVIDE SHRINKAGE AND TEMPERATURE REINFORCEMENT FOR ALL STRUCTURAL SLABS WHERE THE FLEXURAL REINFORCING EXTENDS IN ONE DIRECTION ONLY, IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7.
- C.12 PRIOR TO THE START OF WORK, THE CONCRETE CONTRACTOR SHALL COORDINATE AND DETERMINE WITH THE GENERAL CONTRACTOR OR THE CONSTRUCTION MANAGER ALL DIMENSIONS AND LOCATIONS OF SLAB DEPRESSIONS, FLOOR DRAINS, OPENINGS, SLEEVES, CONCRETE CURBS, PADS AND EQUIPMENT BASES AND OTHER SIMILAR ITEMS. THE PROVISION OF THESE ITEMS SHALL BE PART OF THE CONCRETE CONSTRUCTION WORK.
- C.13 THE CONCRETE CONTRACTOR SHALL INSTALL IN THE FORMS ALL SLOTS, SLEEVES, INSERTS, ANCHOR BOLTS, HANGERS, MASONRY ANCHORS, ETC., REQUIRED BY OTHER TRADES AND SHALL COORDINATE WITH THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER FOR COMPLETENESS AND LOCATION BEFORE CONCRETE IS CAST.
- C.14 IF PIPES OR CONDUITS ARE TO BE PLACED IN SLABS, THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL PRIOR TO THE START OF WORK, SUBMIT TO THE ARCHITECT FOR APPROVAL DRAWINGS SHOWING THE SIZE, LOCATION (VERTICALLY AND HORIZONTALLY) AND SPACING OF PIPES AND/OR CONDUITS.
- C.15 GENERALLY, PIPES OR CONDUITS PLACED IN SLABS SHOULD NOT BE LARGER THAN 1/3 THE SLAB THICKNESS AND SHOULD NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTER AND SHOULD NOT BE PLACED IN THE INTERSECTION OF COLUMN STRIPS FOR FLAT SLABS.
- C.16 ALUMINUM CONDUITS OR PIPES SHALL NOT BE PLACED IN CONCRETE.
- C.17 ALL BEAMS AND SLABS SHALL BE CAST MONOLITHICALLY, AND THE SLABS FINISHED AS REQUIRED BY THE SPECIFICATIONS.
- C.18 VERTICAL CONSTRUCTION JOINTS USING APPROVED BULKHEADS MAY BE MADE AT MID-SPAN OF BEAM OR SLAB SPANS WHERE A STOP IN CONCRETE WORK IS NECESSARY. FOR ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS, SEE TYPICAL DETAILS.
- C.19 HORIZONTAL CONSTRUCTION JOINTS SHALL BE PERMITTED IN SLABS BEAMS, JOISTS AND WALLS ONLY IF AND AS SHOWN.
- C.20 STEEL BEAMS SUPPORTING METAL DECK AND CONCRETE FILL ARE CAPABLE OF SUPPORTING THE WET WEIGHT OF CONCRETE FILL WITHOUT THE USE OF TEMPORARY SHORES AFTER THE METAL DECK IS WELDED TO THE BEAMS TO PROVIDE LATERAL BRACING. HOWEVER, UNSHORED BEAMS AND DECK WILL DEFLECT WHILE CONCRETE IS BEING CAST. IF CONCRETE IS CAST WITHOUT BEAM AND DECK SHORING, PROVIDE ADDITIONAL CONCRETE AS REQUIRED TO MAINTAIN PROPER FINISHED ELEVATIONS. IF SHORES ARE USED, CAMBER SLABS UPWARD TO COMPENSATE FOR DEFLECTION WHEN SHORES ARE REMOVED.
- C.21 ALL PLUMBING SLOTS AROUND SLEEVES SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS FLOOR SLAB AFTER PIPING IS INSTALLED.
- C.22 SLABS ON GROUND SHALL BE CAST OVER A 6" LAYER OF COMPACTED POROUS FILL, UNLESS OTHERWISE SHOWN. THE THICKNESS OF THE SLAB IS SHOWN ON PLANS. PROVIDE 6" X 6"-WS X WS WELDED FABRIC PLACED FROM TOP OF SLAB IN ALL SLABS ON GROUND UNLESS OTHERWISE NOTED ELSEWHERE. SLABS SHALL BE CAST IN ALTERNATE PANELS NOT EXCEEDING 40 FEET IN ANY LENGTH OR WIDTH.
- C.23 ALL CONCRETE TOPPINGS, FILLS AND PROTECTION SLABS SHALL BE REINFORCED WITH 6" X 6"-W3 X W3 WELDED WIRE FABRIC PLACED 1" BELOW THE TOP OF FINISHED CONCRETE.
- C.24 CONCRETE PADS AND EQUIPMENT BASES SHALL BE REINFORCED WITH 6" X 6"-WS X WS WELDED WIRE FABRIC PLACED 1" FROM THE TOP OF PAD, UNLESS OTHERWISE NOTED ELSEWHERE. FOR LOCATIONS, SIZES AND THICKNESSES, SEE ARCHITECTURAL AND/OR STRUCTURAL AND/OR MECHANICAL DRAWINGS.
- C.25 FOR TREATMENT OF EXPOSED CONCRETE, SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- C.26 CHAMFER EDGES OF EXPOSED CONCRETE COLUMNS AND BEAMS. PROVIDE REGLETS AND DRIPS AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND IN THE SPECIFICATIONS.
- C.27 CURING OF CONCRETE SHALL START AS SOON AS THE FINISH WILL NOT BE MARRED THEREBY, IT SHALL NOT BE PERMISSIBLE TO DELAY THE CURING UNTIL THE MORNING AFTER THE CONCRETE IS CAST.

- D METAL DECKING
- D.1 ALL METAL DECK MATERIAL, FABRICATION AND ERECTION SHALL COMPLY WITH THE PROVISIONS OF THE AISC SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND THE SDI DESIGN MANUAL FOR FLOOR DECKS AND ROOF DECKS.
- D.2 STEEL FOR PAINTED METAL DECK UNITS SHALL CONFORM TO ASTM A1008, GRADE 40.
- D.3 STEEL FOR GALVANIZED METAL DECK UNITS SHALL CONFORM TO ASTM A653, GRADE 40. GALVANIZING SHALL CONFORM TO ASTM A924, G60.
- D.4 ALL WELDING OF METAL DECK TO SUPPORTING STEEL SHALL BE IN ACCORDANCE WITH THE AWS D1.3 STRUCTURAL WELDING CODE – SHEET STEEL.
- D.5 THE TYPE, GAGE AND DIRECTION OF METAL DECK SHALL BE AS SHOWN ON PLANS.
- D.6 FASTEN FLOOR AND ROOF DECK UNITS TO STEEL SUPPORTING MEMBERS AND SPANDREL GIRDERS BY NOT LESS THAN 3/4" DIAMETER FUSION WELDS OR ELONGATED WELDS OF EQUAL STRENGTH, SPACED NOT MORE THAN 12" ON CENTER WITH A MINIMUM OF 2 WELDS PER UNIT AT EVERY SUPPORT AND AT CLOSER SPACING WHERE REQUIRED FOR LATERAL OR UPLIFT FORCE RESISTANCE.
- D.7 FASTEN SIDE LAPS OF ALL ADJACENT DECK UNITS BETWEEN SUPPORTS, WITH SELF-TAPPING NO. 8 OR LARGER MACHINE SCREWS OR BY WELDING AT INTERVALS NOT EXCEEDING 24" ON CENTER.
- D.8 PROVIDE HOLES IN DECK AT SHEAR CONNECTOR LOCATIONS UNLESS THE DECK MANUFACTURER CERTIFIES THAT SHEAR CONNECTORS CAN BE WELDED TO SUPPORTS THROUGH DECK UNITS WITHOUT LESSENING THE SHEAR CONNECTOR'S CAPACITY.
- D.9 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND/OR THE DECK CONTRACTOR SHALL COORDINATE OPENINGS IN DECK AS REQUIRED BY MECHANICAL ELECTRICAL PLUMBING OR ARCHITECTURAL DOCUMENTS OR BY MECHANICAL OR OTHER TRADE CONTRACTORS.
- D.10 THE DECK CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL A DRAWING INDICATING THE SIZE AND LOCATION OF ALL OPENINGS PROPOSED TO BE PROVIDED IN METAL DECK THAT ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
- D.11 HANGER SLOTS IN METAL DECK SHALL BE USED FOR SUPPORT OF CEILING, AIR DUCTS OR LIGHTING FIXTURES AND SHALL NOT BE USED TO SUPPORT MECHANICAL OR ELECTRICAL EQUIPMENT OR PIPING. THE TRIBUTARY LOAD FOR EACH SLOT SHALL NOT EXCEED FIVE POUNDS PER SQUARE FOOT AND A TOTAL LOAD OF 60 POUNDS. HANGER SLOTS SHALL NOT BE USED TO SUPPORT CEILING WHERE THE APPLICABLE BUILDING CODE REQUIRES CEILING HANGERS TO SUPPORT MORE THAN 60 POUNDS.
- D.12 METAL DECK SHALL BE CONTINUOUS OVER THREE SPANS MINIMUM, UNLESS SPECIFICALLY SHOWN OTHERWISE.

STRUCTURAL INSPECTIONS

- S11. ALL PROGRESS INSPECTIONS SHALL CONFORM TO CHAPTER 1 OF THE NEW YORK CITY BUILDING CODE. ALL SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE NEW YORK CITY BUILDING CODE.
- S12. THE FOLLOWING PROGRESS INSPECTIONS ARE REQUIRED:
- A. FOOTING AND FOUNDATION
- S13. THE FOLLOWING SPECIAL INSPECTIONS ARE REQUIRED:
- A. STRUCTURAL STEEL – WELDING
B. STRUCTURAL STEEL – ERECTION AND BOLTING
C. CONCRETE – CAST-IN-PLACE
D. CONCRETE TEST CYLINDERS
E. CONCRETE DESIGN MIX
F. SOILS – SITE PREPARATION
G. SOILS – FILL PLACEMENT AND IN-PLACE DENSITY
H. PILE FOUNDATIONS AND DRILLED PIER INSTALLATION
I. UNDERPINNING
J. EXCAVATION – SHEETING, SHORING AND BRACING
- S14. SPECIAL INSPECTIONS SHALL BE CONTINUOUS EXCEPT WHERE PERIODIC SPECIAL INSPECTIONS ARE SPECIFICALLY PERMITTED BY THE BUILDING CODE.
- S15. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY SPECIAL INSPECTORS AND AGENCIES QUALIFIED BY THE CITY OF NEW YORK AND ACCEPTABLE TO THE ENGINEER OF RECORD.
- S16. ALL WORK FOR WHICH SPECIAL INSPECTION IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL APPROVED BY THE SPECIAL INSPECTOR.
- S17. ALL SPECIAL INSPECTORS SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE OWNER AND ENGINEER OF RECORD.
- S18. ALL SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE OWNER AND TO THE ENGINEER OF RECORD.

Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title:
GENERAL NOTES

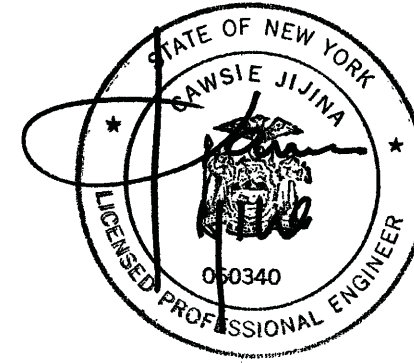
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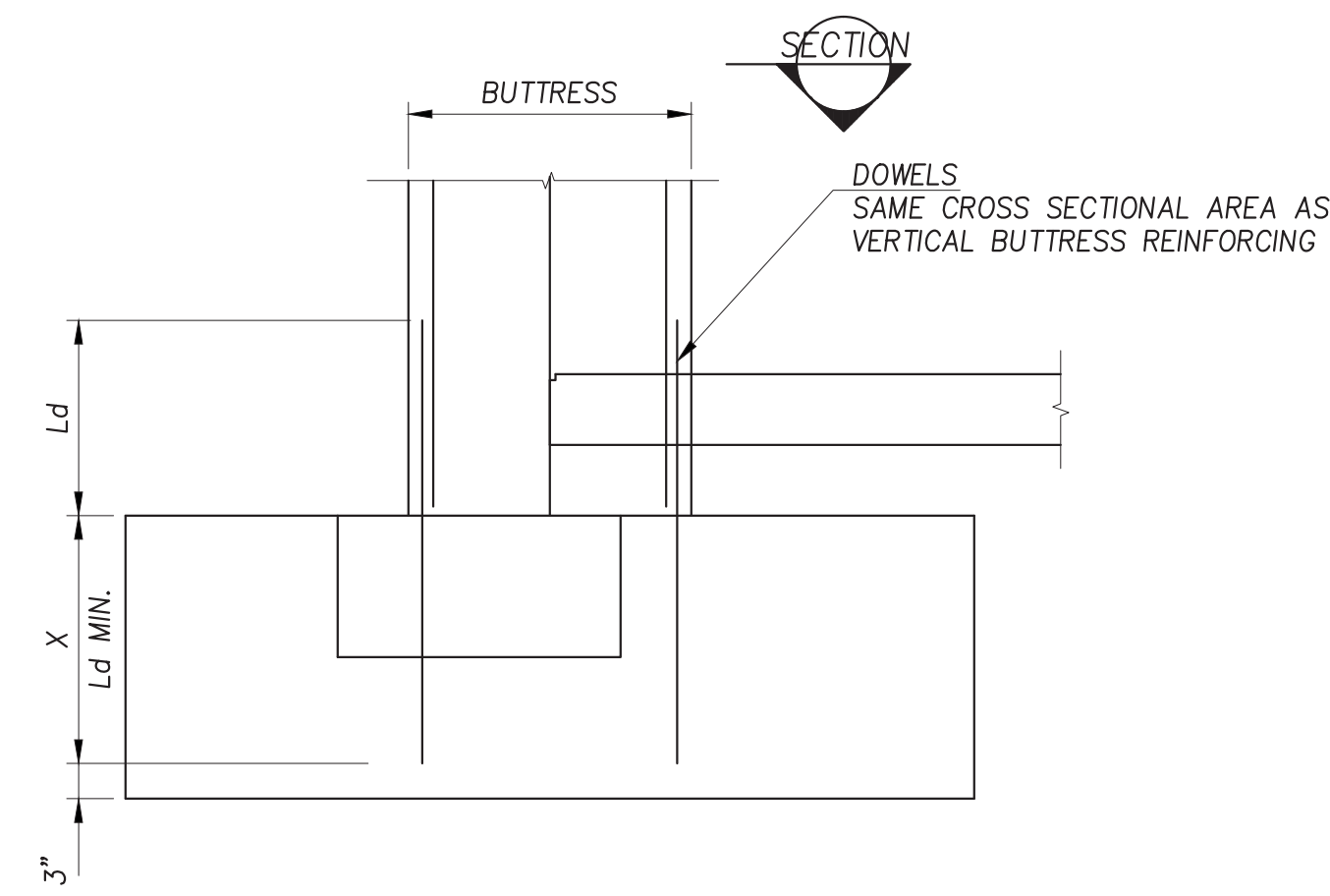
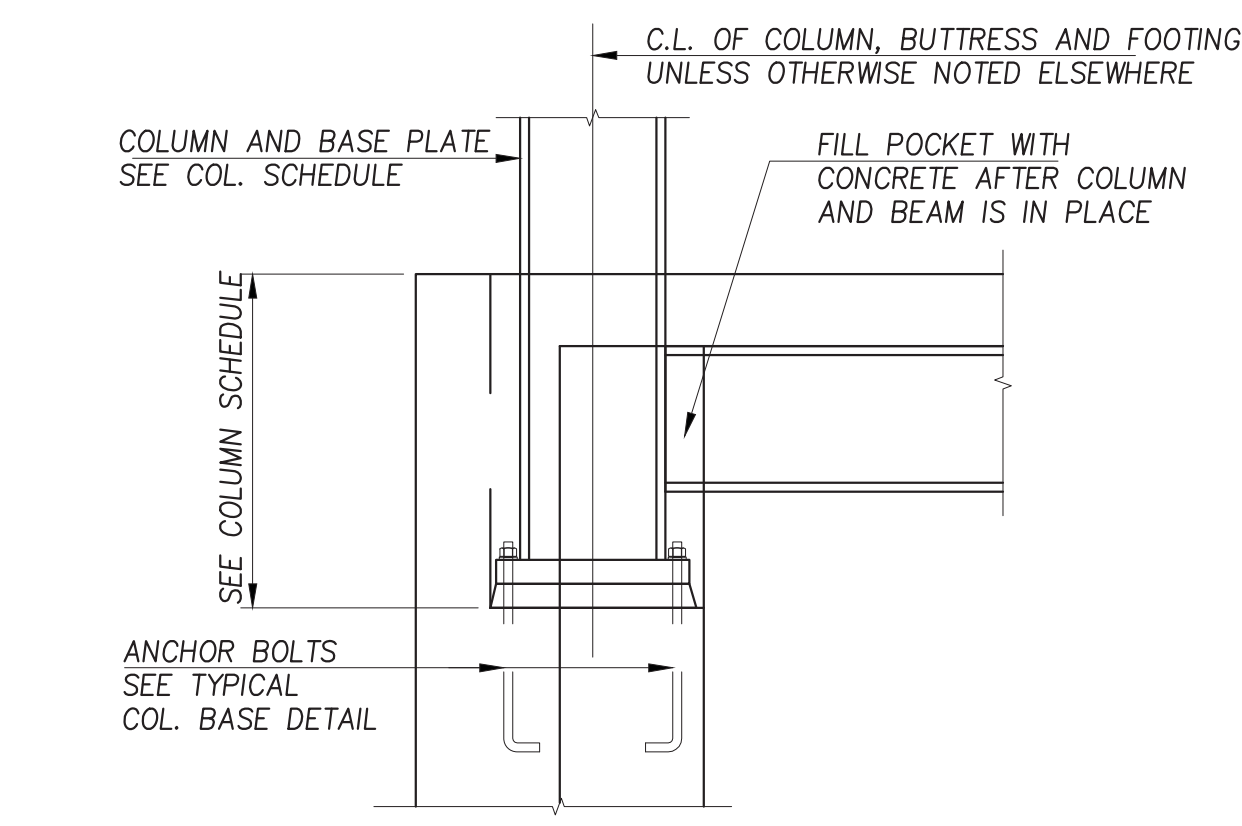
Date: 26 MAY 2015

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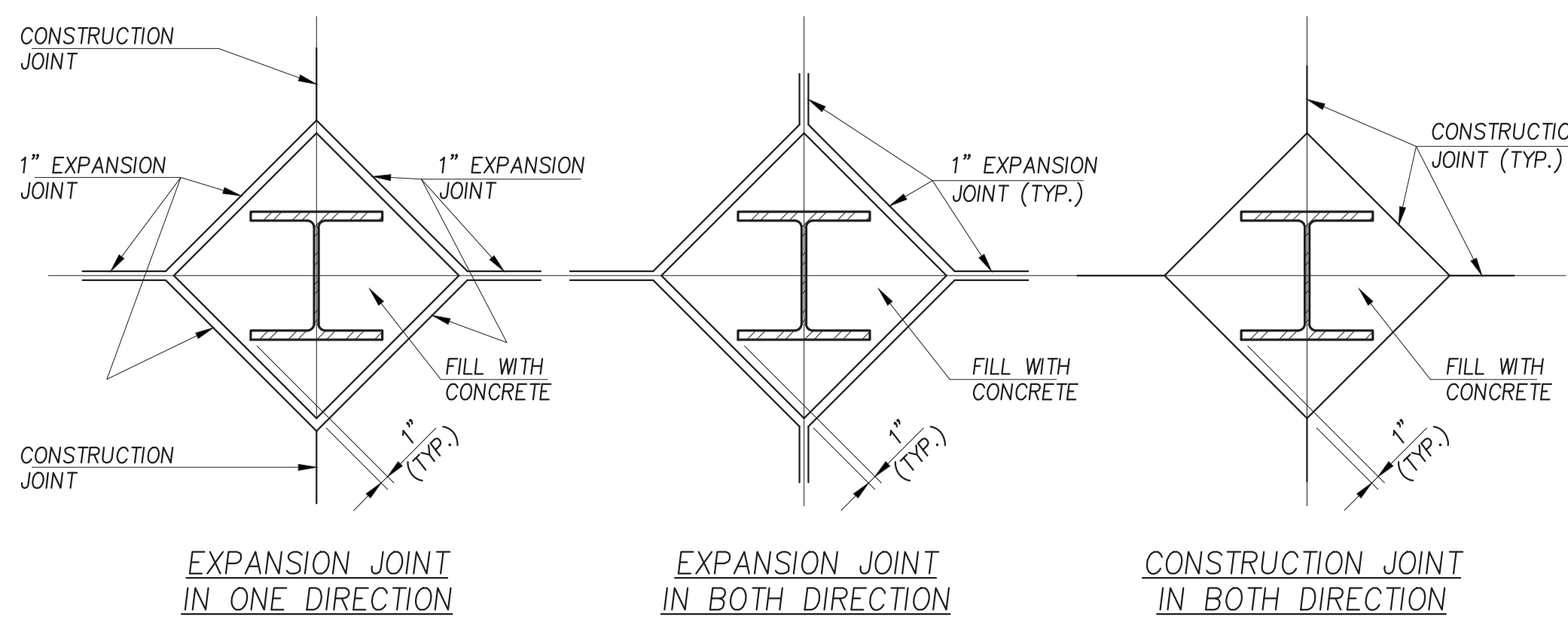




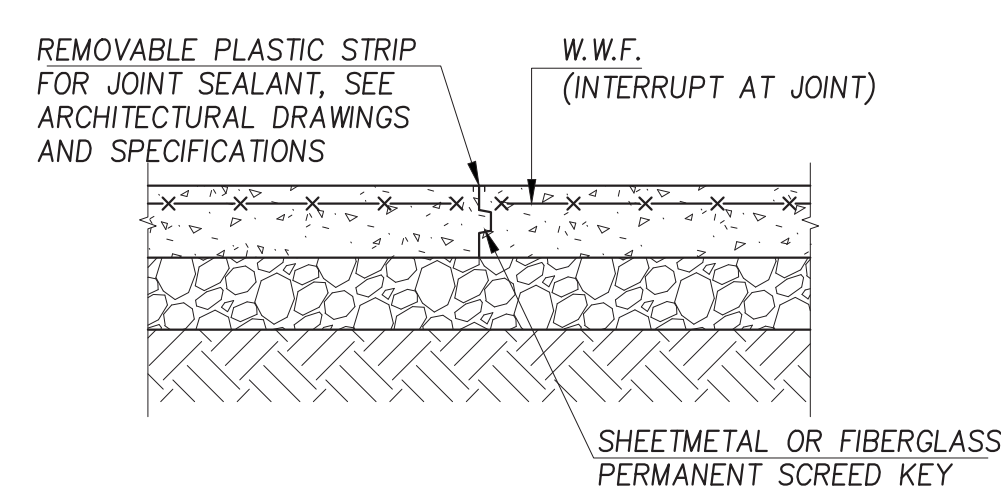
NOTES:

- TIES SHALL BE ARRANGED SUCH THAT EVERY CORNER AND ALTERNATE LONGITUDINAL BAR SHALL HAVE LATERAL SUPPORT PROVIDED BY THE CORNER OF A TIE WITH AN INCLUDED ANGLE OF NOT MORE THAN 135 DEGREES. IF ANY BAR SHALL BE FARTHER THAN 6 INCHES CLEAR ON EACH SIDE ALONG THE TIE FROM A LATERALLY SUPPORTED BAR, LATERAL SUPPORT (SHOWN DOTTED) SHALL BE PROVIDED FOR THESE BARS.
- IF THE DIMENSION A OR B IS LESS THAN THE TIE SPACING SHOWN, THE SPACING SHALL BE DECREASED TO EQUAL A OR B WHICHEVER IS SMALLER.
- IF X IS LESS THAN Ld, INCREASE AREA OF DOWELS BY $\frac{Ld}{X}$.
- DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

TYPICAL STEEL COLUMN SUPPORTED ON BUTTRESS DETAIL



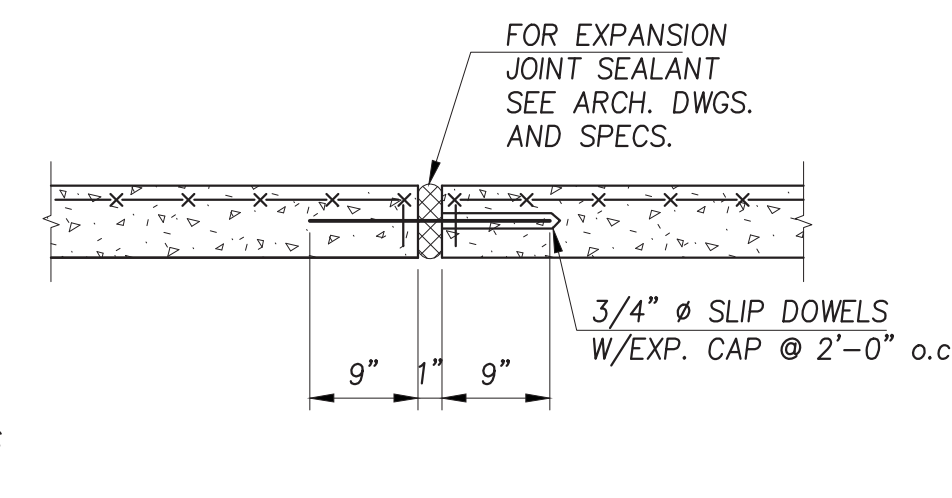
PLANS AT COLUMNS



NOTES:

- LOCATE SCREED KEYS ON COLUMN CENTERLINES IN EACH DIRECTION UNLESS OTHERWISE NOTED ELSEWHERE.
- THE CONTRACTOR SHALL SUBMIT A DRAWING FOR THE ARCHITECTS REVIEW INDICATING THE LOCATION OF JOINTS AND THE SEQUENCE OF CASTINGS.

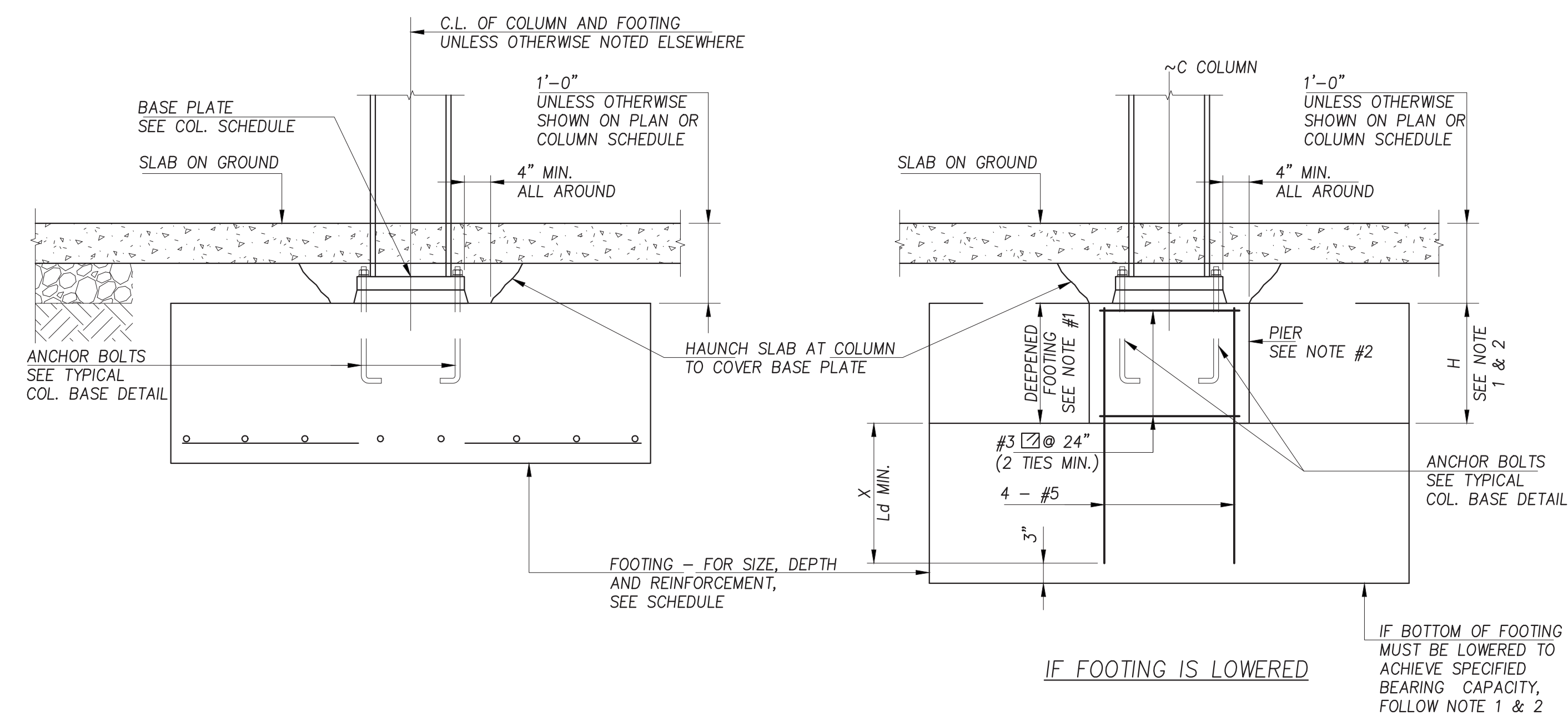
TYPICAL SLAB ON GRADE JOINT DETAILS



NOTES:

- SEE PLAN FOR LOCATION OF EXPANSION JOINTS.
- THE CONTRACTOR SHALL SUBMIT A DRAWING FOR THE ARCHITECTS REVIEW INDICATING THE LOCATION OF JOINTS AND THE SEQUENCE OF CASTINGS.

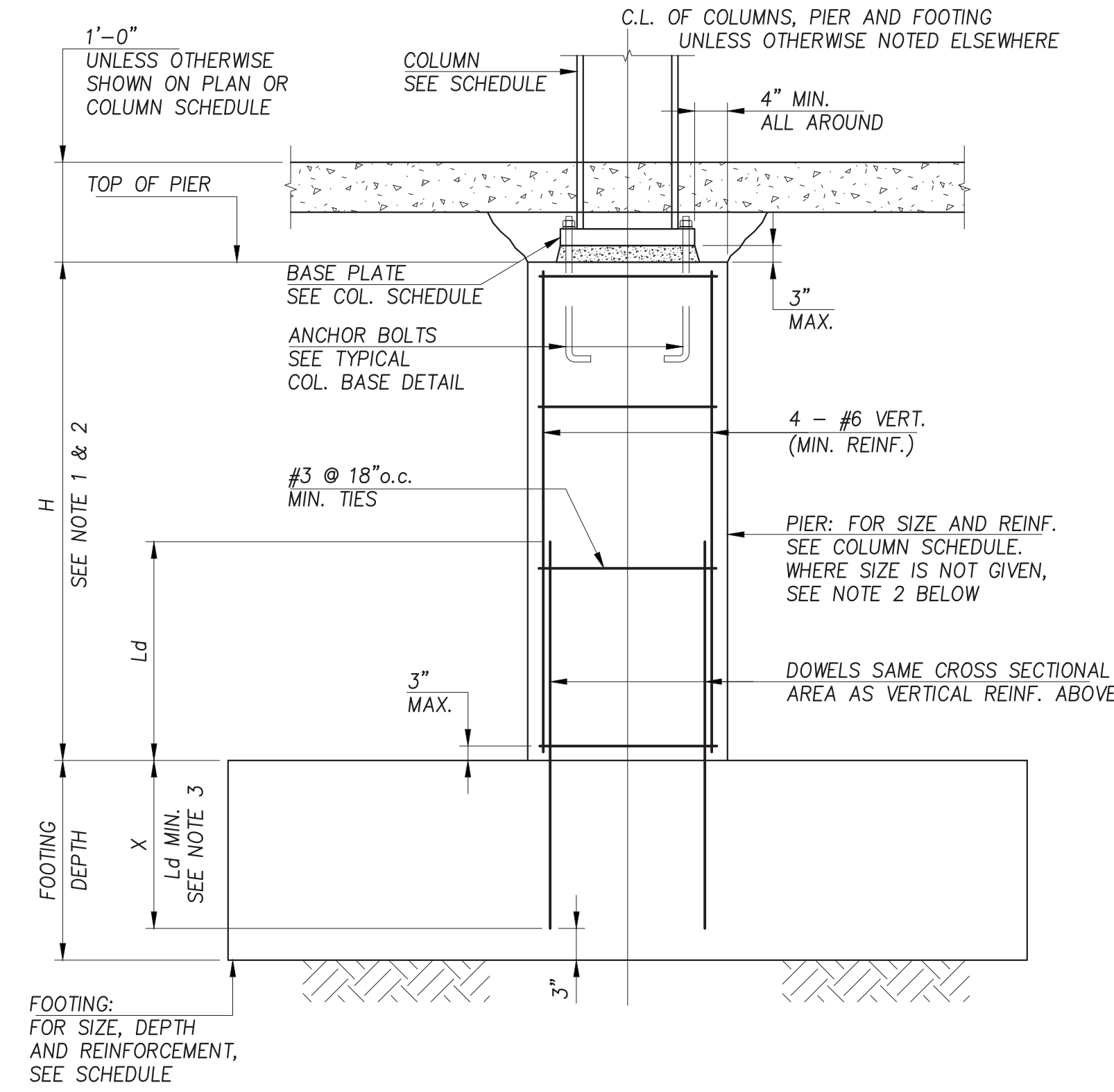
VERTICAL BAR DIAMETER	TIES	
	BAR SIZE	SPACING
#5	#3	10"
#6	#3	12"
#7	#3	14"
#8	#3	16"
#9	#3	18"
#10	#3	18"
#11 OR LARGER	#4	18"



NOTES:

- WHERE DIMENSION H IS 1'-6" OR LESS, DEEPEEN FOOTING.
- WHERE DIMENSION H IS MORE THAN 1'-6" PROVIDE PIER 8" LARGER THAN LONGER SIDE OF BASE PLATE BUT NOT LESS THAN 2'-0" x 2'-0" OR $\frac{H}{3}$.
- IF X IS LESS THAN Ld, INCREASE AREA OF DOWELS BY $\frac{Ld}{X}$.
- DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

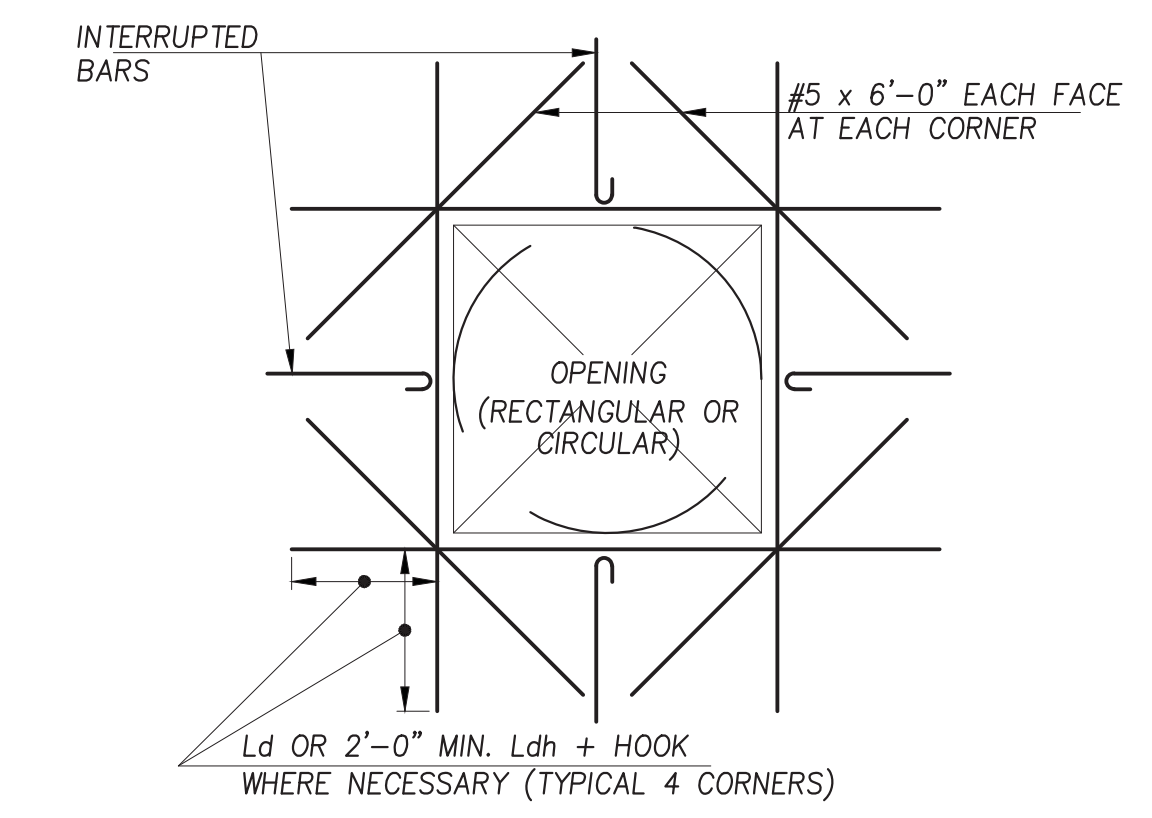
TYPICAL INTERIOR STEEL COLUMN SUPPORTED ON FOOTING DETAILS



NOTES:

- WHERE H IS LESS THAN 1'-0", OMIT PIER DOWELS AND EXTEND PIER REINFORCING INTO FOOTING OR THICKEN FOOTING AND OMIT PIER.
- THE PIER WIDTH SHALL BE NO LESS THAN H/3, OR AS NECESSARY TO FIT BASE PLATE AND CONCRETE PROTECTION.
- IF X IS LESS THAN Ld INCREASE TOTAL AREA OF DOWELS BY.
- DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

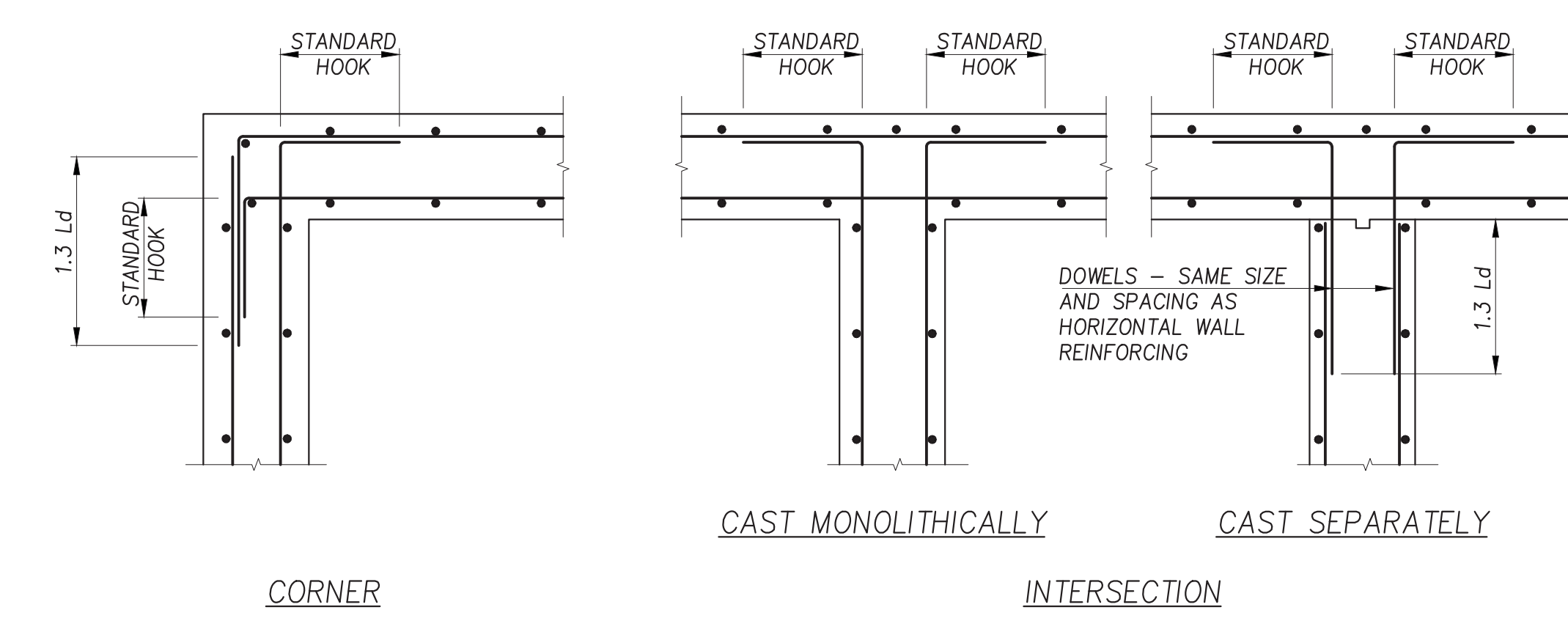
TYPICAL INTERIOR STEEL COLUMN SUPPORTED ON PIER DETAIL



NOTES:

- HOOK ALL INTERRUPTED BARS.
- FOR EACH FACE 50% OF REINFORCING BAR AREA INTERRUPTED BY OPENING SHALL BE PROVIDED EACH SIDE OF OPENING #5 MIN. EACH SIDE IN EACH FACE.
- DEVELOPMENT LENGTH Ld OR Ldh TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI318 CHAPTER 12.

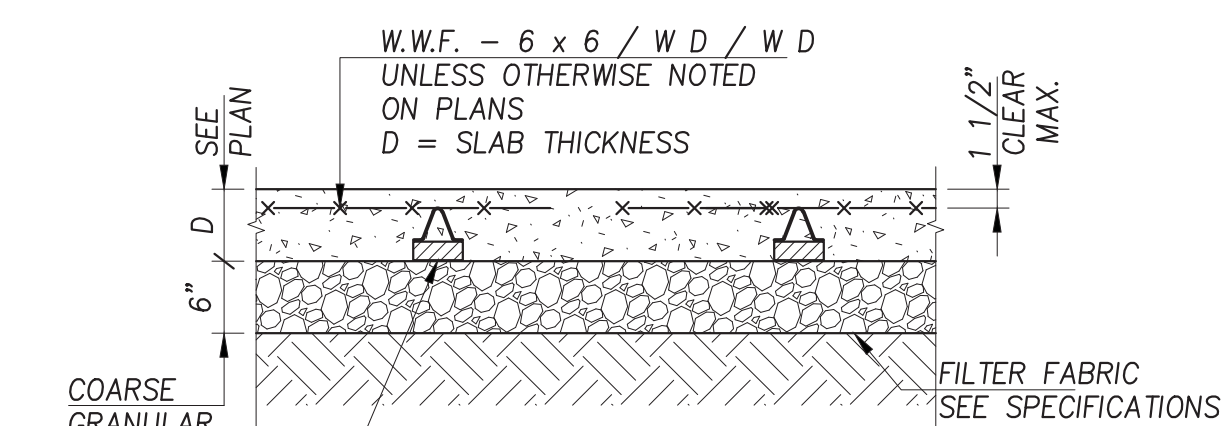
TYPICAL DETAIL OF OPENING IN CONCRETE WALLS



NOTE:

- DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

TYPICAL CONCRETE WALL CORNER AND INTERSECTION DETAILS



THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING THE TYPE, SIZE, LOCATION AND FREQUENCY OF REBAR SUPPORTS AND THE MEANS AND METHODS TO ASSURE THAT THE REINFORCEMENT IS ACCURATELY PLACED AND IS ADEQUATELY SUPPORTED BEFORE CONCRETE IS PLACED, AND ADEQUATELY SECURED AGAINST DISPLACEMENT BY CONCRETE PLACEMENT OR CONSTRUCTION PERSONNEL.

NOTES:

- ALL CONCRETE SHALL BE 4000 PSI MINIMUM STONE CONCRETE WITH SUPERPLASTOIZER UNLESS OTHERWISE NOTED ELSEWHERE.
- THE CONTRACTOR SHALL SUBMIT PROPOSED METHOD OF CURING AND APPROPRIATE CURING PRODUCT SPECIFICATIONS.
- CURING OF CONCRETE IS TO START AS SOON AS FINISH WILL NOT BE MARRED THEREBY. IT WILL NOT BE PERMISSIBLE TO DELAY THE CURING UNTIL THE MORNING AFTER THE CONCRETE IS CAST.
- THE CONTRACTOR SHALL SUBMIT A DRAWING FOR THE ARCHITECT'S REVIEW INDICATING THE SIZE AND LOCATION OF WELDED WIRE FABRIC, THE DETAILS AND LOCATIONS OF SPLICES AND THE LOCATION OF ALL JOINTS (CONSTRUCTION AND/OR EXPANSION AND/OR CONTROL).

TYPICAL SLAB ON GRADE DETAILS

172-02 HILLSIDE AVENUE

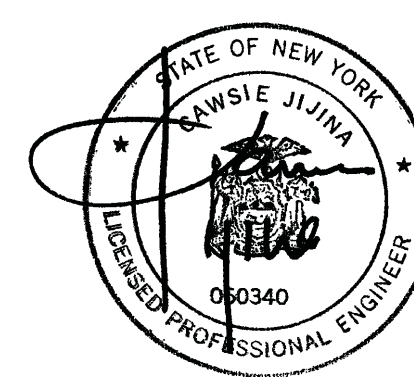
Jamaica, New York
New Residential Development

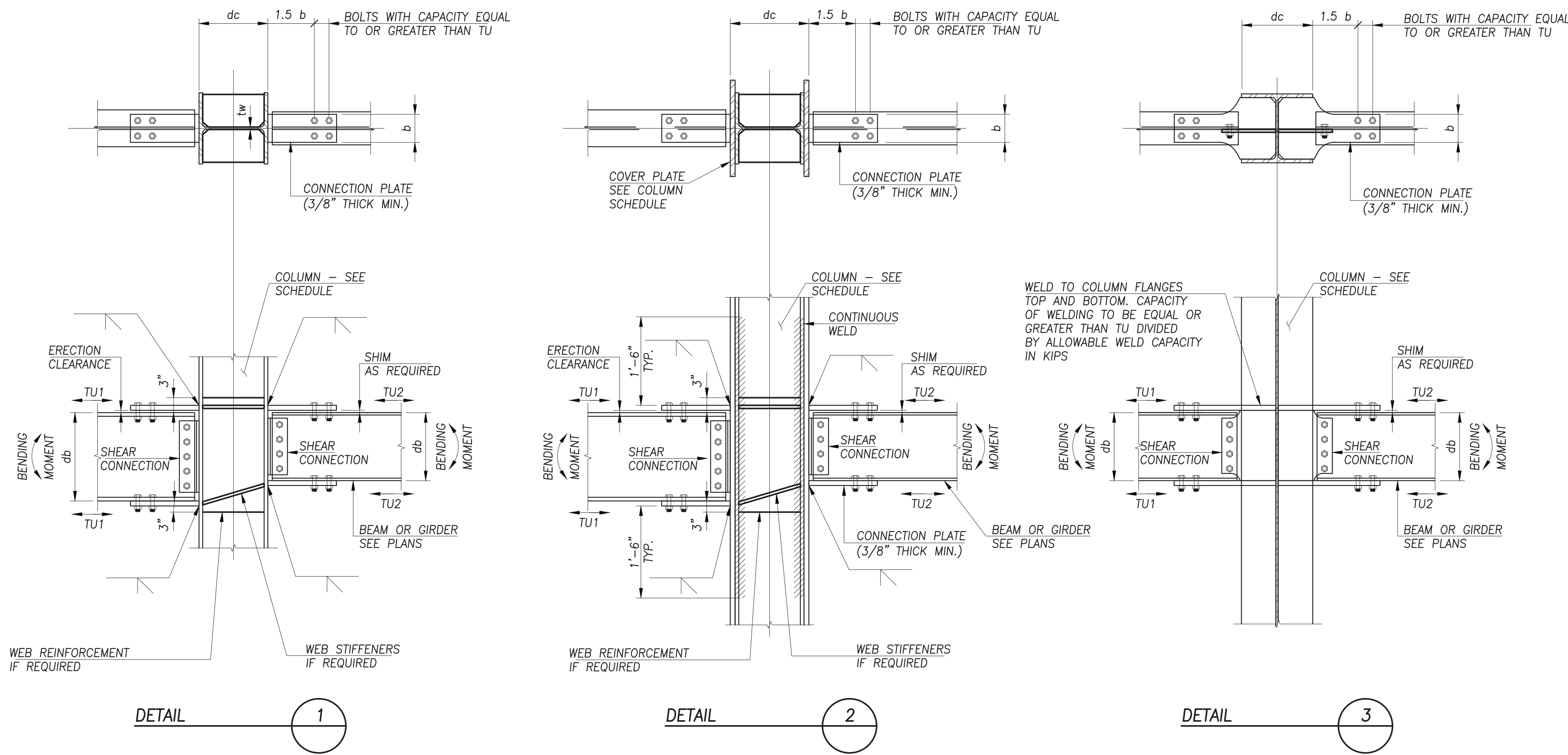
Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title:
TYPICAL DETAILS I

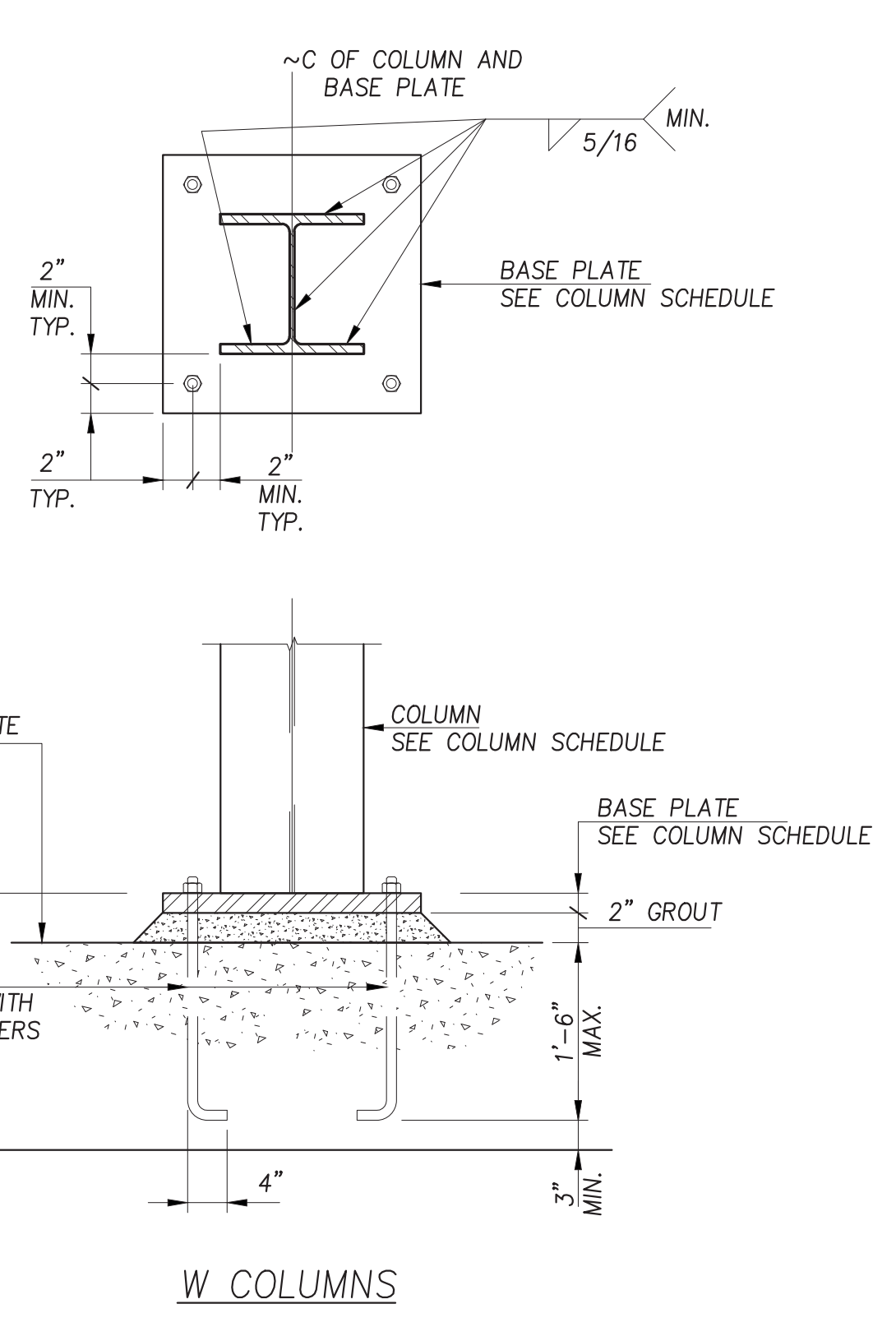
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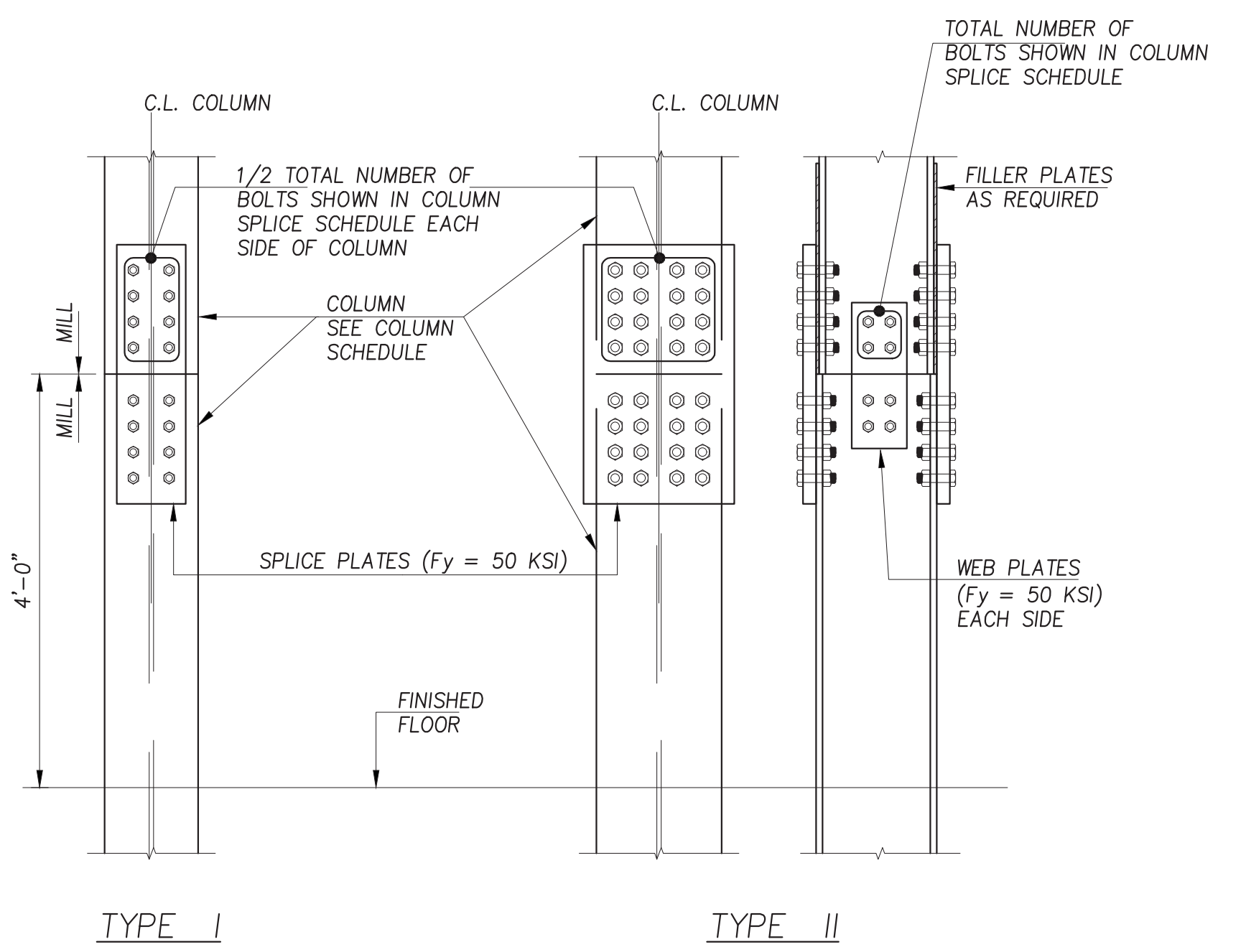
TYPICAL WIND MOMENT CONNECTION DETAILS

- NOTES:
1. WELDS, BOLTS, CONNECTION PLATES AND ANGLE CAPACITIES SHALL BE AS REQUIRED BY AISC SPECIFICATIONS.
 2. WEB REINFORCING AND/OR STIFFENERS SHALL BE PROVIDED IF AND AS REQUIRED BY THE AISC SPECIFICATIONS.
 3. FOR VALUE OF BENDING MOMENTS, SEE WIND FRAME DETAILS AND/OR SCHEDULES.
 4. TU (KIPS) IS EQUAL TO THE BENDING MOMENT (IN-KIPS) DIVIDED BY db (IN).



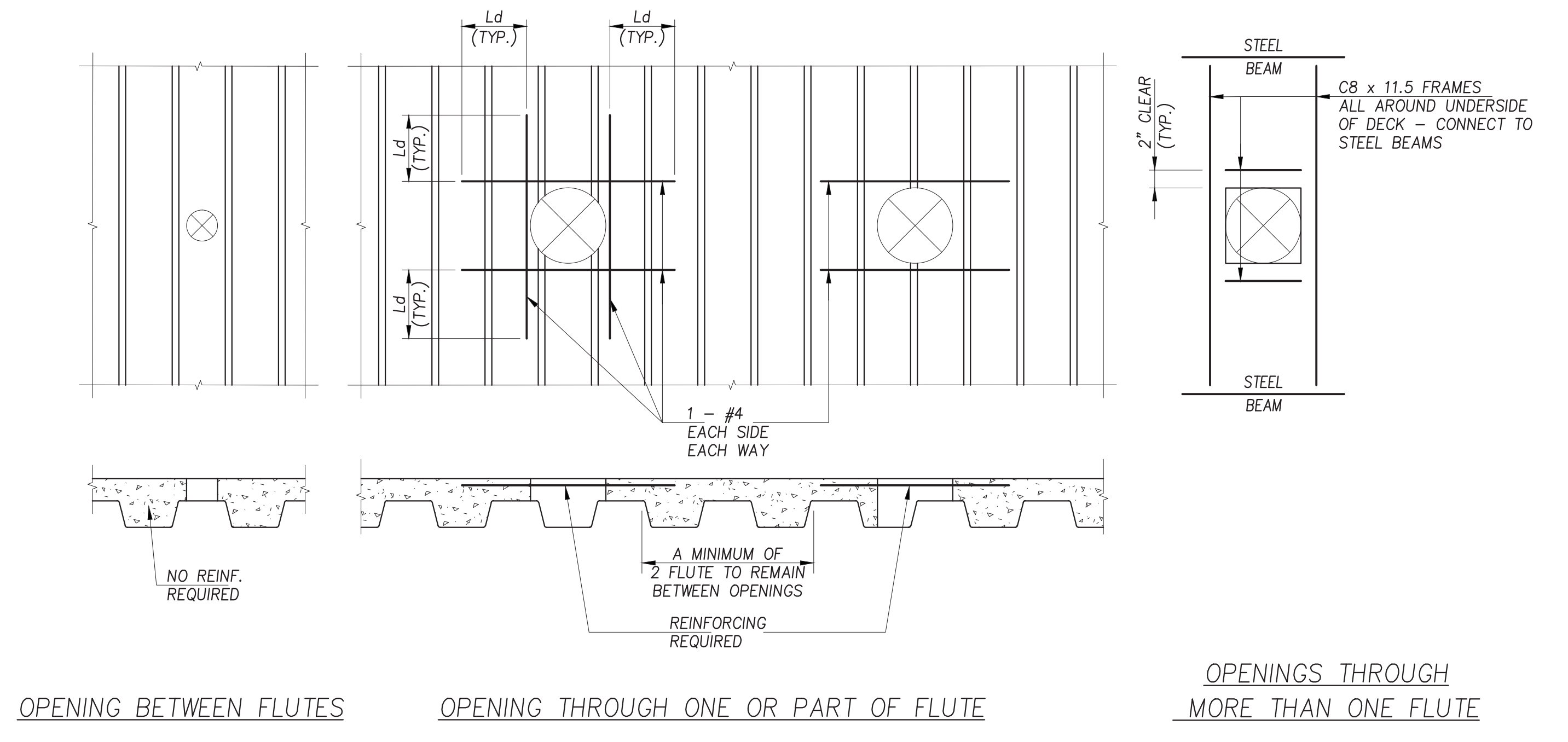
TYPICAL COLUMN BASE DETAILS

COLUMN SPLICE SCHEDULE						
COLUMN SIZE (UPPER SHAFT)	SPLICE TYPE	BOLT SIZE & TYPE	SIZE OF FLANGE SPLICE PLATES	NUMBER OF FLANGE BOLTS	SIZE OF WEB SPLICE PLATES	NUMBER OF WEB BOLTS
W8 x 40 AND SMALLER W8's W10 x 45 AND SMALLER W10's W12 x 50 AND SMALLER W12's	I	3/4" A325N	8" x 3/4"	12	5 3/4" x 3/8"	4
W8 x 48 AND LARGER W8's W10 x 49 - W10 x 60 W12 x 53 - W12 x 58 W14 x 53 AND SMALLER W14's	I	1" A325N	8 1/2" x 3/4"	16	5 3/4" x 1/2"	4
W10 x 68 - W10 x 77 W12 x 65 - W12 x 96 W14 x 61 - W14 x 82	I	1" A490N	8 1/2" x 3/4"	16	7 1/2" x 1/2"	4
W10 x 88 AND LARGER W10's W12 x 106 AND LARGER W12's W14 x 90 - W14 x 132	I	1" A490X	9" x 1 1/4"	20	7 1/2" x 7/8"	6
W14 x 145 - W14 x 193 W14 x 211 - W14 x 257	II	1" A490X	15" x 7/8"	24		
W14 x 283 - W14 x 342 W14 x 370 - W14 x 426	II	1" A490X	15" x 1 1/2"	40	10" x 7/8"	8
W14 x 455 AND LARGER W14's	II	1 1/8" A490X 1 1/4" A490X	16 1/2" x 1 3/4" 17 1/2" x 2"	40 40		



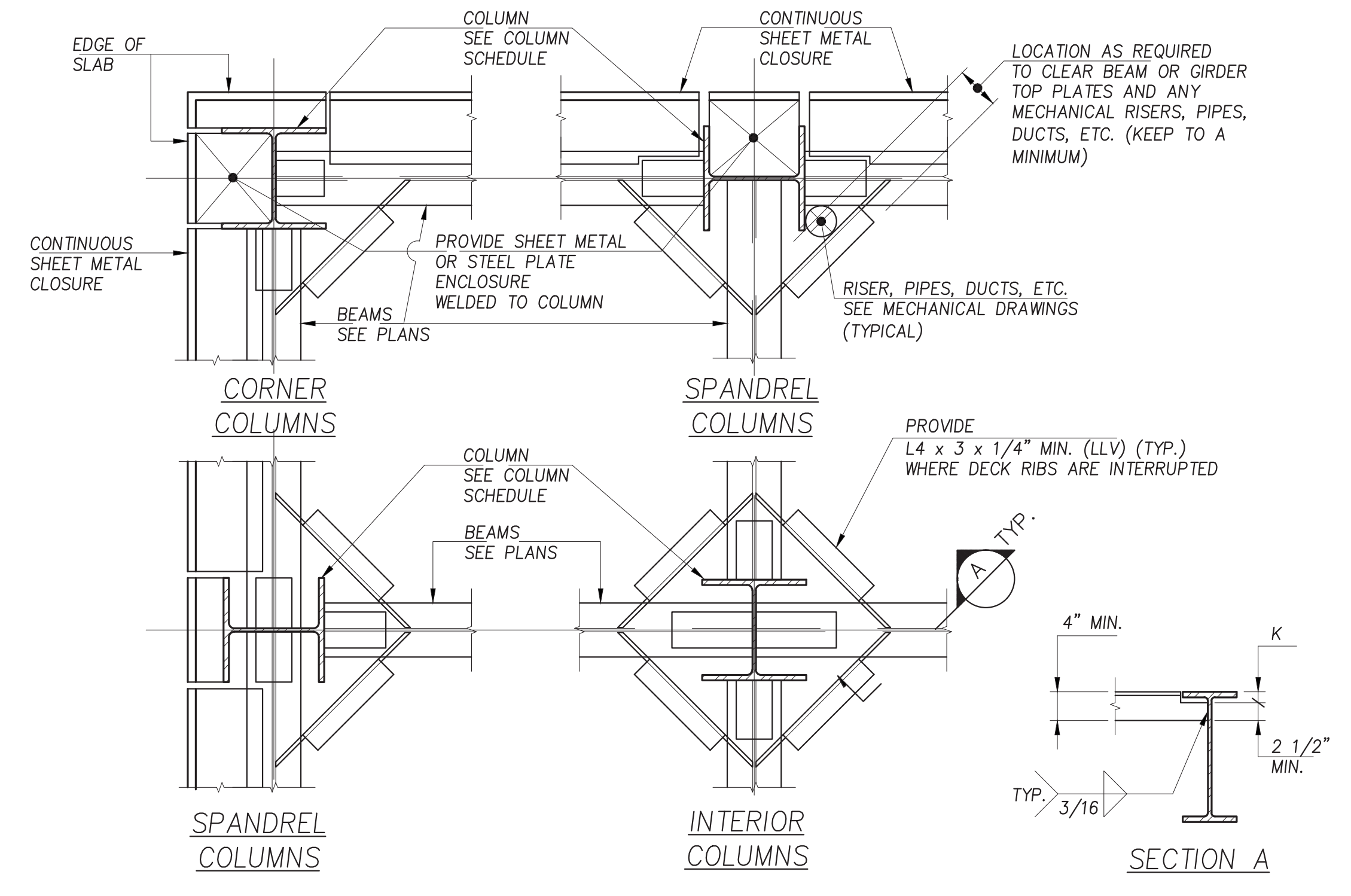
TYPICAL COLUMN SPLICE DETAILS

- NOTES:
1. FOR SIZE, TYPE AND TOTAL NUMBER OF BOLTS, SEE COLUMN SPLICE SCHEDULE.
 2. FOR SIZE OF SPLICE PLATES, SEE COLUMN SPLICE SCHEDULE.
 3. PROVIDE THE SAME NUMBER OF BOLTS IN LOWER COLUMN AS IN UPPER.
 4. WELDED SPLICE CONNECTIONS MAY BE USED IF REQUESTED BY CONTRACTOR AND APPROVED BY ARCHITECT.
 5. ALL BOLTS IN COLUMN SPLICES SHALL BE PRE-TENSIONED.



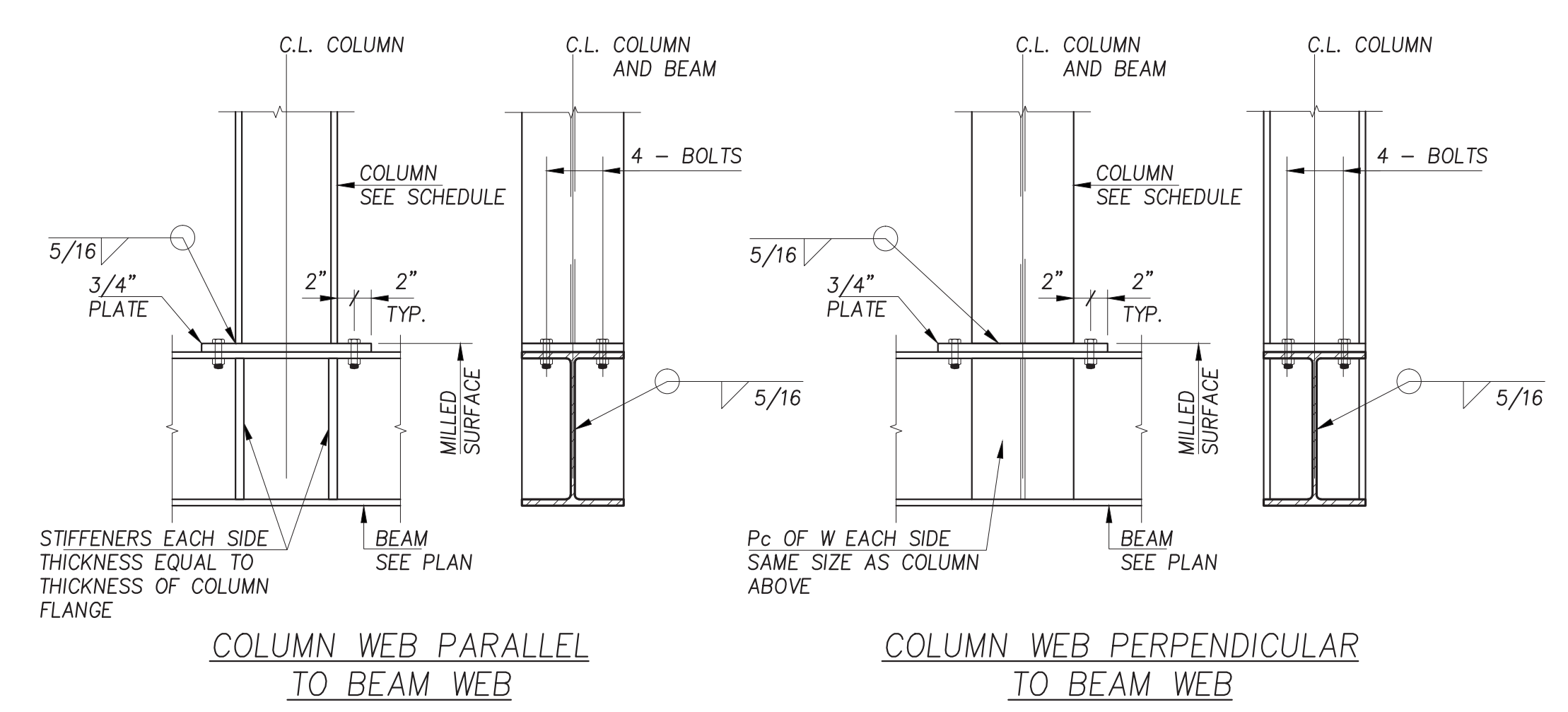
TYPICAL DETAILS FOR OPENINGS IN METAL DECK

- NOTES:
1. SEE STRUCTURAL AND/OR MECHANICAL AND/OR ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
 2. AT OPENINGS THROUGH ONE OR MORE THAN ONE FLUTE, DO NOT CUT METAL DECK UNTIL 7 DAYS AFTER CONCRETE HAS BEEN CAST.
 3. IF FEWER THAN 2 FLUTES REMAIN BETWEEN ADJACENT OPENINGS THROUGH ONE FLUTE USE DETAIL FOR OPENING THROUGH MORE THAN ONE FLUTE.
 4. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.



TYPICAL DECK SUPPORT DETAILS AT COLUMNS

- NOTES:
1. THE SIZE AND CONNECTIONS OF ALL CLOSURES AND ENCLOSURES SHALL BE FURNISHED, DESIGNED AND SHOWN ON SHOP DRAWINGS BY THE METAL DECK MANUFACTURER AND SHALL BE INSTALLED BY THE METAL DECK CONTRACTOR.
 2. CLOSURES AND ENCLOSURES AND THEIR CONNECTIONS SHALL BE DESIGNED TO SAFELY SUPPORT THE WET WEIGHT OF SUPERIMPOSED CONCRETE WITH MINIMAL DEFLECTION.
 3. DECK SUPPORT ANGLES SHALL BE FURNISHED AND INSTALLED BY THE METAL DECK CONTRACTOR AND SHOWN ON METAL DECK SHOP DRAWINGS.
 4. THE GENERAL CONTRACTOR OR THE CONSTRUCTION MANAGER AND THE METAL DECK CONTRACTOR SHALL COORDINATE THE LOCATION OF CLOSURES, ENCLOSURES AND DECK SUPPORT ANGLES.



TYPICAL COLUMN SUPPORTED ON BEAM DETAILS

172-02 HILLSIDE AVENUE

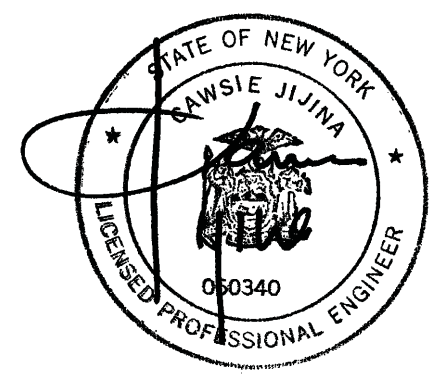
Jamaica, New York
New Residential Development

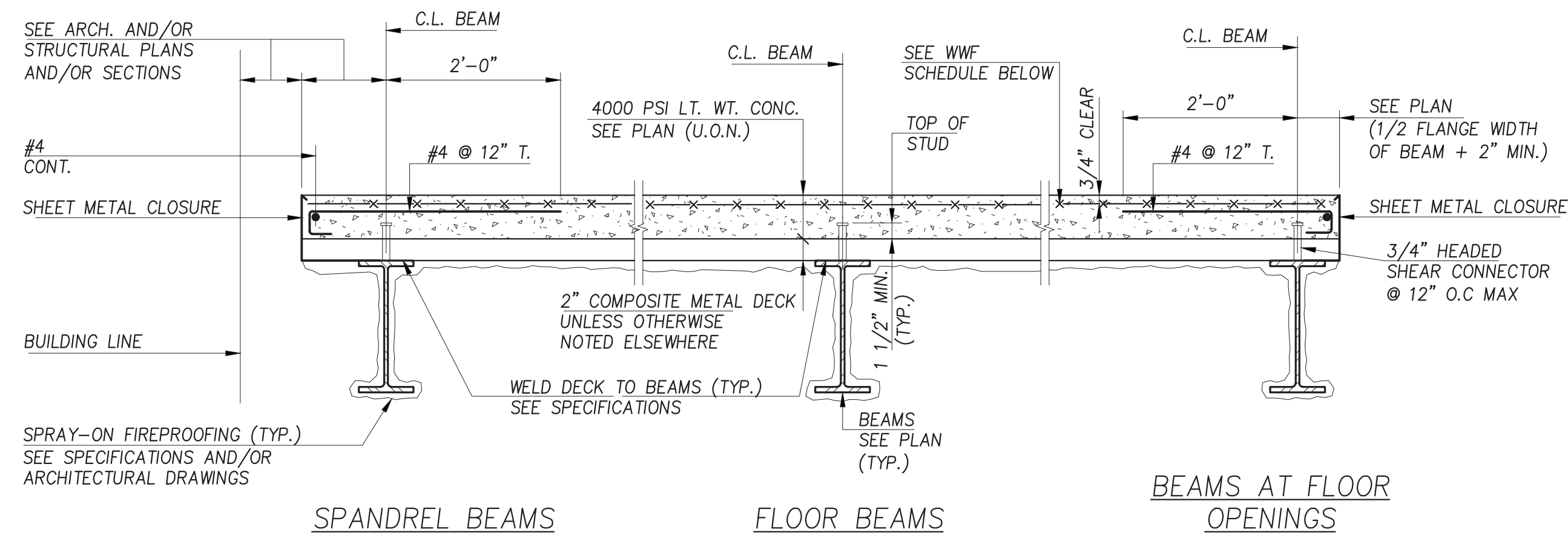
Notes:

FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

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Scale: AS NOTED
Date: 26 MAY 2015
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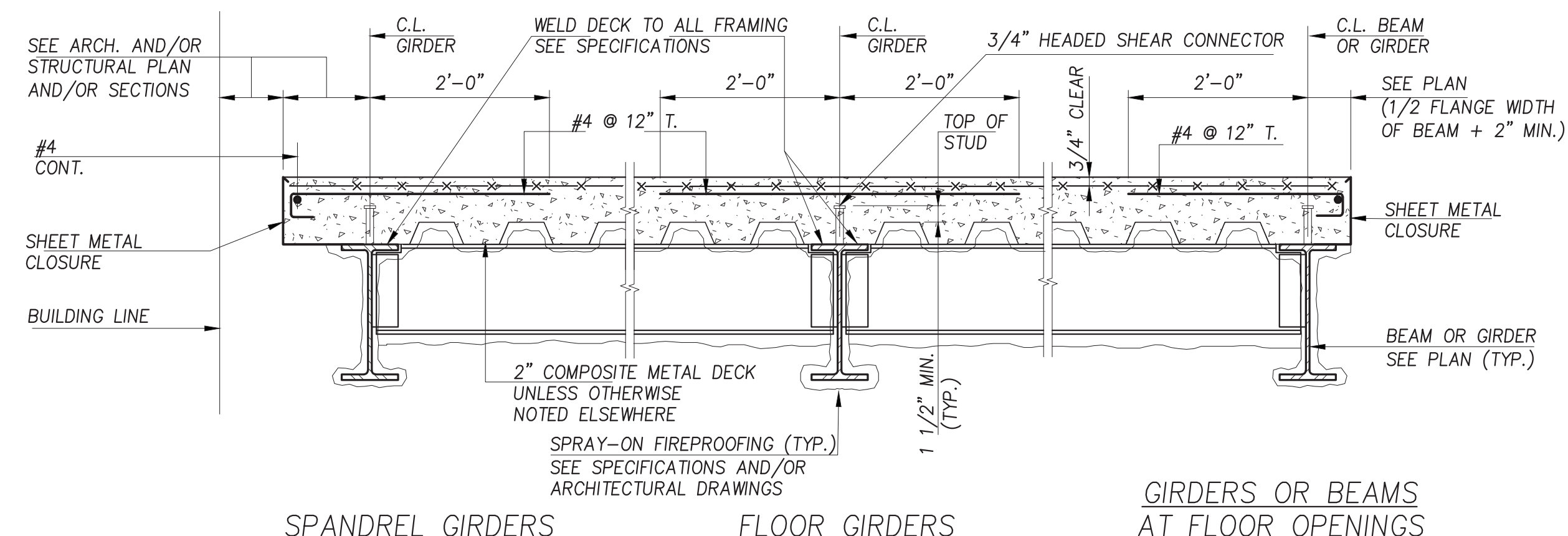
TYPICAL FLOOR CONSTRUCTION DETAIL

NOTES:

1. THE SIZE AND CONNECTION OF ALL SHEET METAL CLOSURES SHALL BE FURNISHED, DESIGNED AND SHOWN ON SHOP DRAWINGS BY THE METAL DECK MANUFACTURER AND INSTALLED BY THE METAL DECK CONTRACTOR.
2. CLOSURES SHALL BE DESIGNED TO SAFELY SUPPORT THE WET WEIGHT OF SUPERIMPOSED CONCRETE WITH MINIMAL DEFLECTION, SHORE IF NECESSARY.
3. ANY ATTACHMENT TO THE SLAB EDGE FOR SUPPORT OF EXTERIOR WALLS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED FOR THE REVIEW OF THE ENGINEER OF RECORD.
4. SHEAR CONNECTORS SHALL BE EQUALLY SPACED ALONG THE SPAN OF THE BEAM UNLESS OTHERWISE NOTED. THE TOTAL NUMBER OF SHEAR CONNECTORS PER BEAM IS SHOWN THUS (...) ON PLAN. SPACING OF STUDS NOT TO EXCEED 12" (AVERAGE OVER BEAM LENGTH)
5. FOR GAGE AND TYPE OF DECK, SEE PLAN.
6. FASTEN SIDE LAPS OF ALL ADJACENT DECK UNITS BETWEEN SUPPORTS WITH SELF-TAPPING No. 8 OR LARGER MACHINE SCREWS OR BY WELDING, AT INTERVALS NOT EXCEEDING 24" o.c.
7. THE CONCRETE CONTRACTOR SHALL INCLUDE IN HIS BID THE ADDITIONAL QUANTITY OF CONCRETE THAT MAY BE REQUIRED TO COMPENSATE FOR METAL DECK, FILLER BEAM AND GIRDER DEFLECTION.

BEAMS AT FLOOR OPENINGS

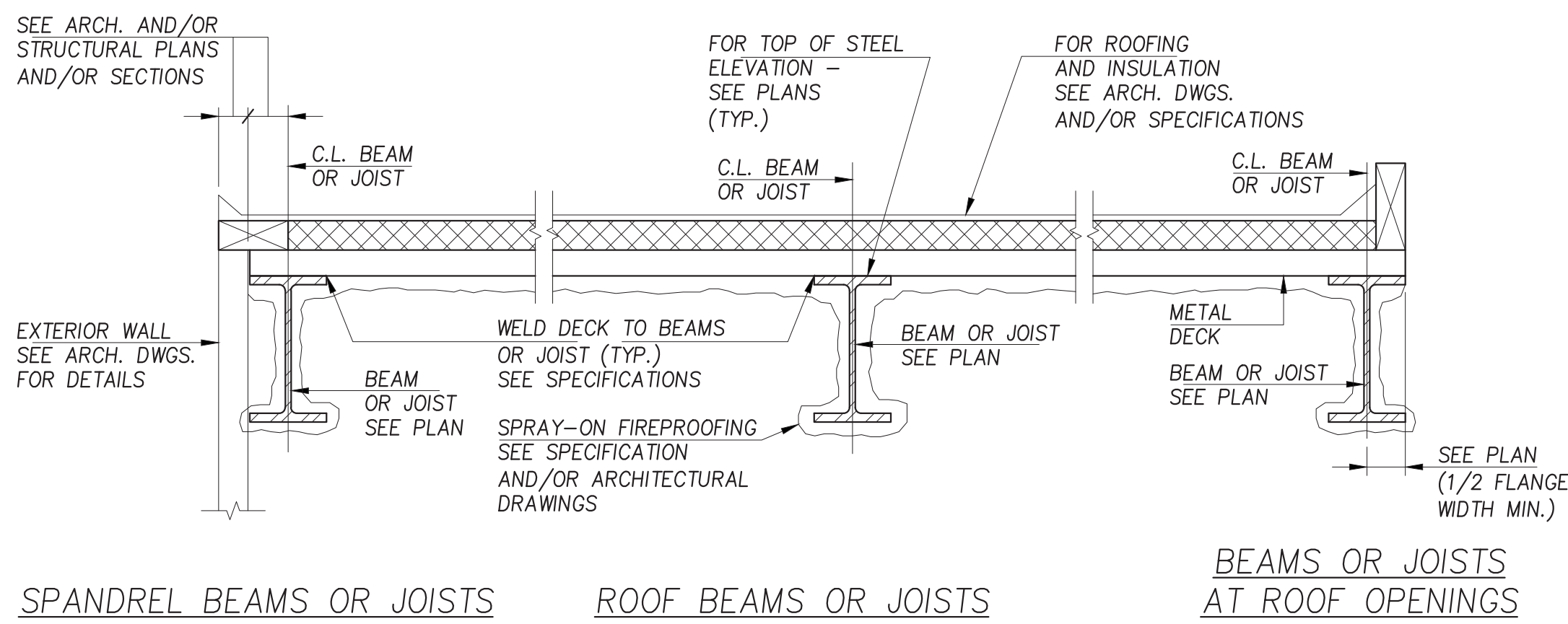
WWF SCHEDULE	
THICKNESS OF CONCRETE COVER	MIN. WELDED WIRE REINFORCEMENT REQ'D
2 1/2"	6X6-W2.5 X W2.5
3 1/4"	6X6-W2.9 X W2.9
4 1/2"	6X6-W4.0 X W4.0
OTHER	0.0015 X CONCRETE AREA



TYPICAL FLOOR CONSTRUCTION DETAIL

NOTES:

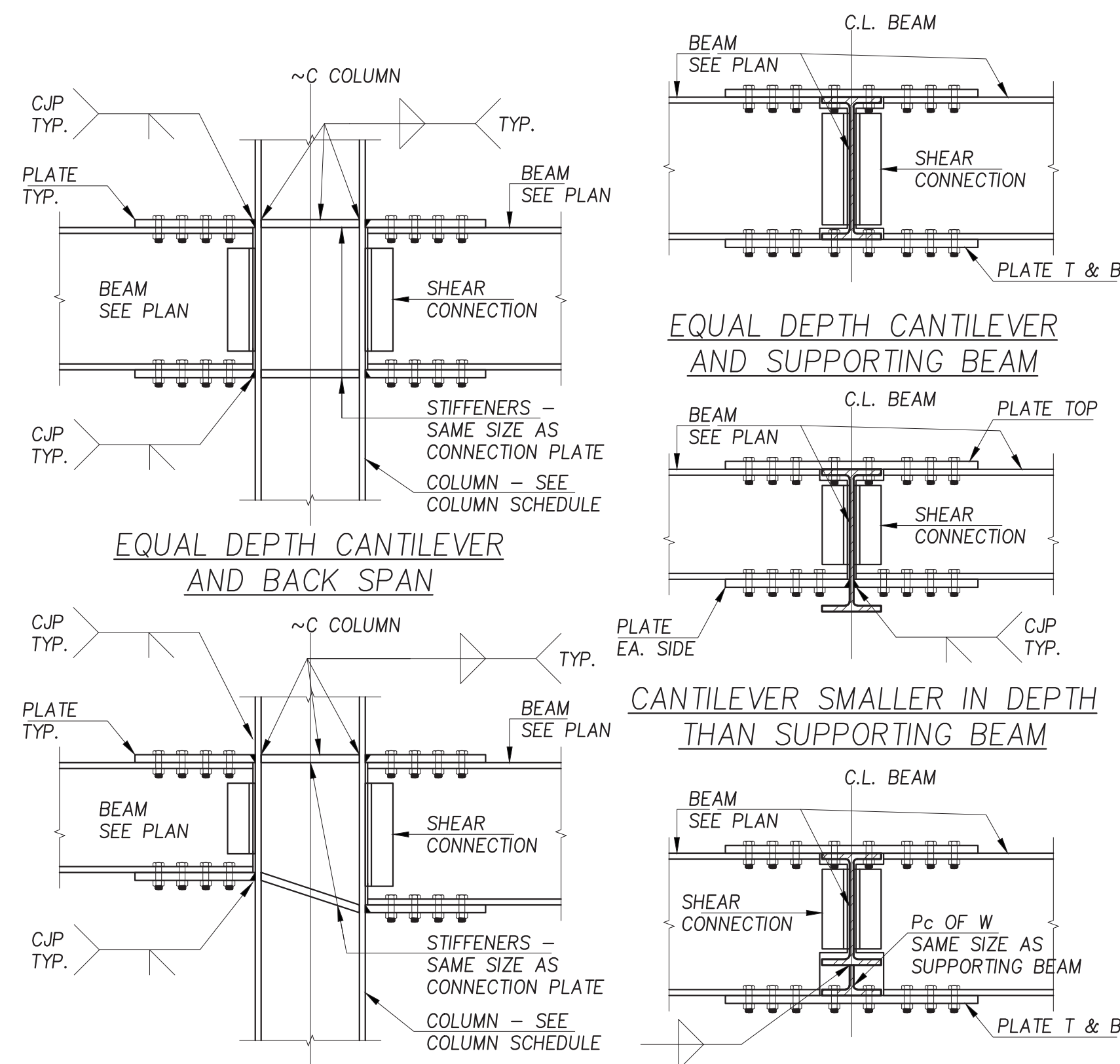
1. THE SIZE AND CONNECTION OF ALL SHEET METAL CLOSURES SHALL BE FURNISHED, DESIGNED AND SHOWN ON SHOP DRAWINGS BY THE METAL DECK MANUFACTURER AND INSTALLED BY THE METAL DECK CONTRACTOR.
2. CLOSURES SHALL BE DESIGNED TO SAFELY SUPPORT THE WET WEIGHT OF SUPERIMPOSED CONCRETE WITH MINIMAL DEFLECTION, SHORE IF NECESSARY.
3. ANY ATTACHMENT TO THE SLAB EDGE FOR SUPPORT OF EXTERIOR WALL SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED FOR THE REVIEW OF THE ENGINEER OF RECORD.
4. THE TOTAL NUMBER OF SHEAR CONNECTORS SHALL BE EQUALLY SPACED BETWEEN FILLER BEAMS OR BETWEEN COLUMNS AND FILLER BEAMS OR BETWEEN OTHER GIRDERS AND FILLER BEAMS. THE TOTAL NUMBER OF SHEAR CONNECTORS ARE SHOWN ON PLAN THUS (...), e.g. $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ SPACING OF STUDS NOT TO EXCEED 12"
5. FOR GAGE AND TYPE OF DECK, SEE PLAN.
6. FASTEN SIDE LAPS OF ALL ADJACENT DECK UNITS BETWEEN SUPPORTS WITH SELF-TAPPING No. 8 OR LARGER MACHINE SCREWS OR BY WELDING, AT INTERVALS NOT EXCEEDING 24" o.c.
7. THE CONCRETE CONTRACTOR SHALL INCLUDE IN HIS BID THE ADDITIONAL QUANTITY OF CONCRETE THAT MAY BE REQUIRED TO COMPENSATE FOR METAL DECK, FILLER BEAM AND GIRDER DEFLECTION.



TYPICAL METAL ROOF DECK CONSTRUCTION DETAILS

NOTES:

1. FOR WELDING OF DECK TO SUPPORT SEE SPECIFICATIONS.
2. ANY ATTACHMENT TO THE DECK EDGE FOR SUPPORT OF EXTERIOR WALLS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED FOR THE REVIEW OF THE ENGINEER OF RECORD.
3. FOR GAGE AND TYPE OF ROOF DECK, SEE PLAN.
4. FASTEN SIDE LAPS OF ALL ADJACENT DECK UNITS BETWEEN SUPPORTS WITH SELF-TAPPING No. 8 OR LARGER MACHINE SCREWS OR BY WELDING, AT INTERVALS NOT EXCEEDING 36" o.c.
5. FOR FLASHING DETAILS, CLOSURES, OR OTHER ROOF ACCESSORIES, SEE ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS.



UNEQUAL DEPTH OF CANTILEVER AND BACK SPAN

CANTILEVERS AT COLUMNS

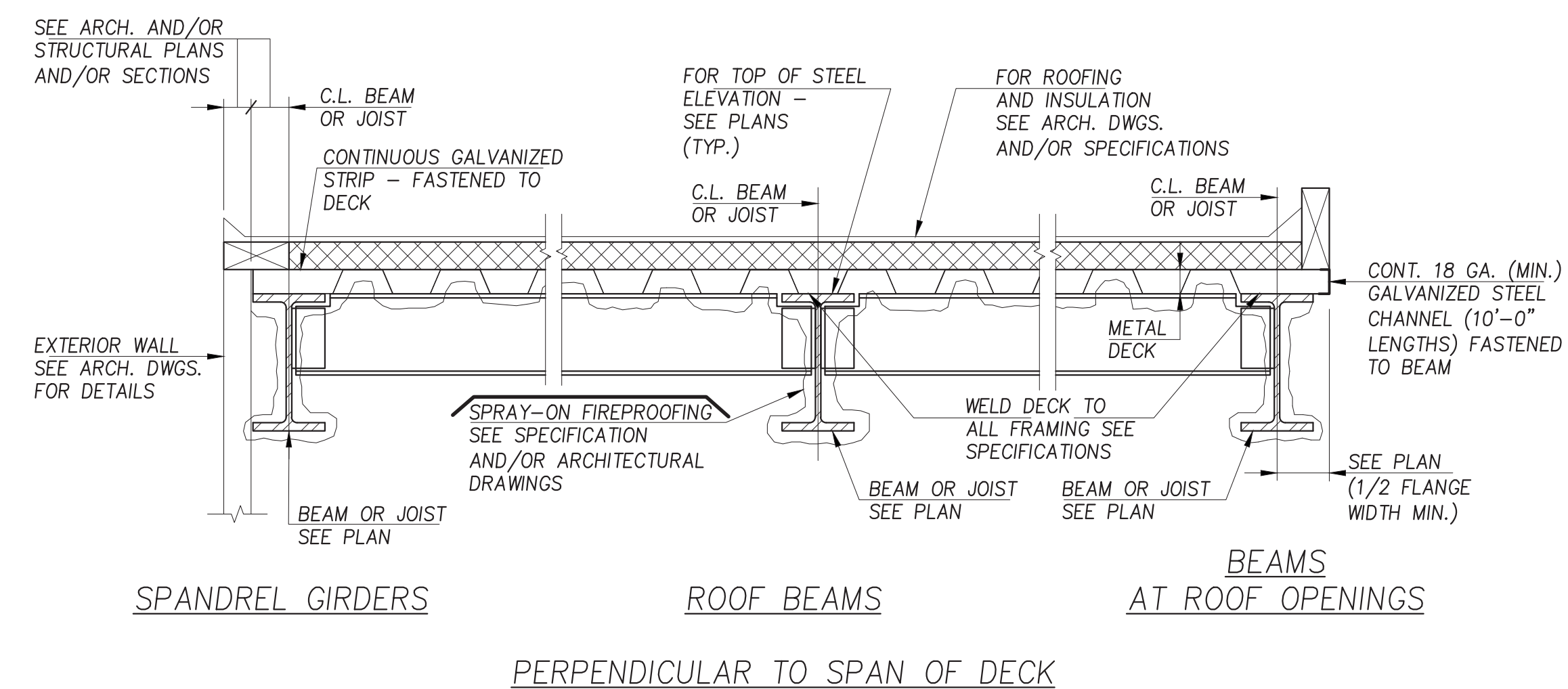
CANTILEVER LARGER IN DEPTH THAN SUPPORTING BEAM

CANTILEVERS AT BEAMS

TYPICAL CANTILEVER BEAM CONNECTION DETAILS

NOTES:

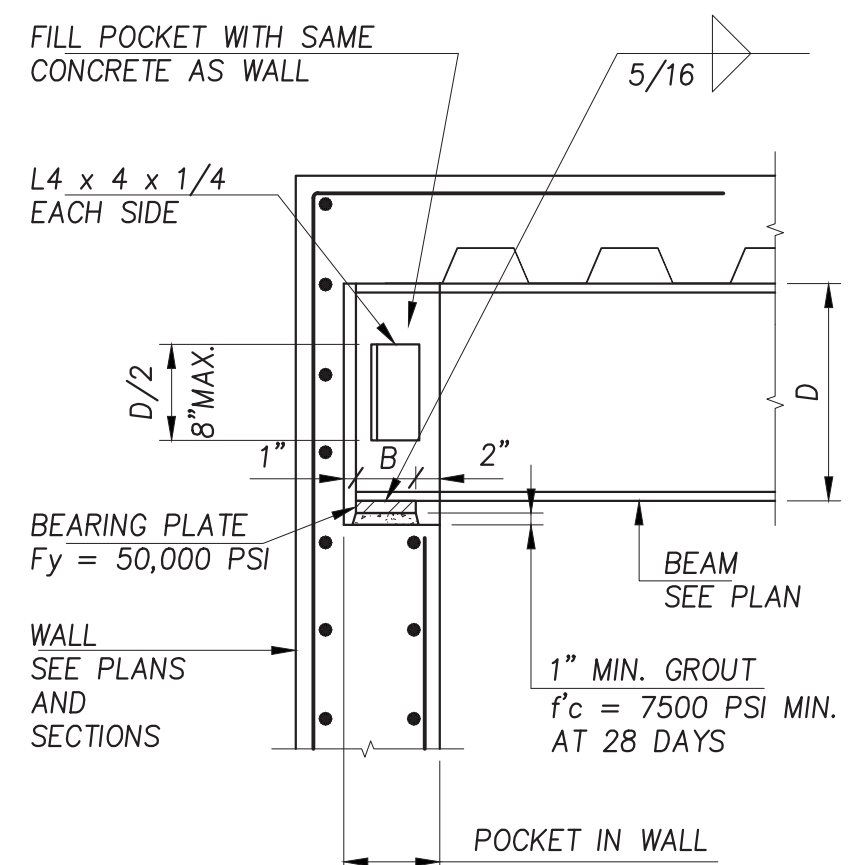
1. MOMENT CONNECTIONS TO DEVELOP FULL MOMENT CAPACITY OF CANTILEVER BEAMS UNLESS SHOWN OTHERWISE ON PLAN
2. WELD, BOLT AND CONNECTION PLATE CAPACITIES SHALL BE AS REQUIRED BY AISC SPECIFICATIONS.
3. CONNECTION PLATES AND BOLTS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CALCULATIONS SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW.
4. FIELD WELDED CONNECTIONS MAY BE USED IF REQUESTED BY CONTRACTOR AND APPROVED BY ARCHITECT.



TYPICAL METAL ROOF DECK CONSTRUCTION DETAILS

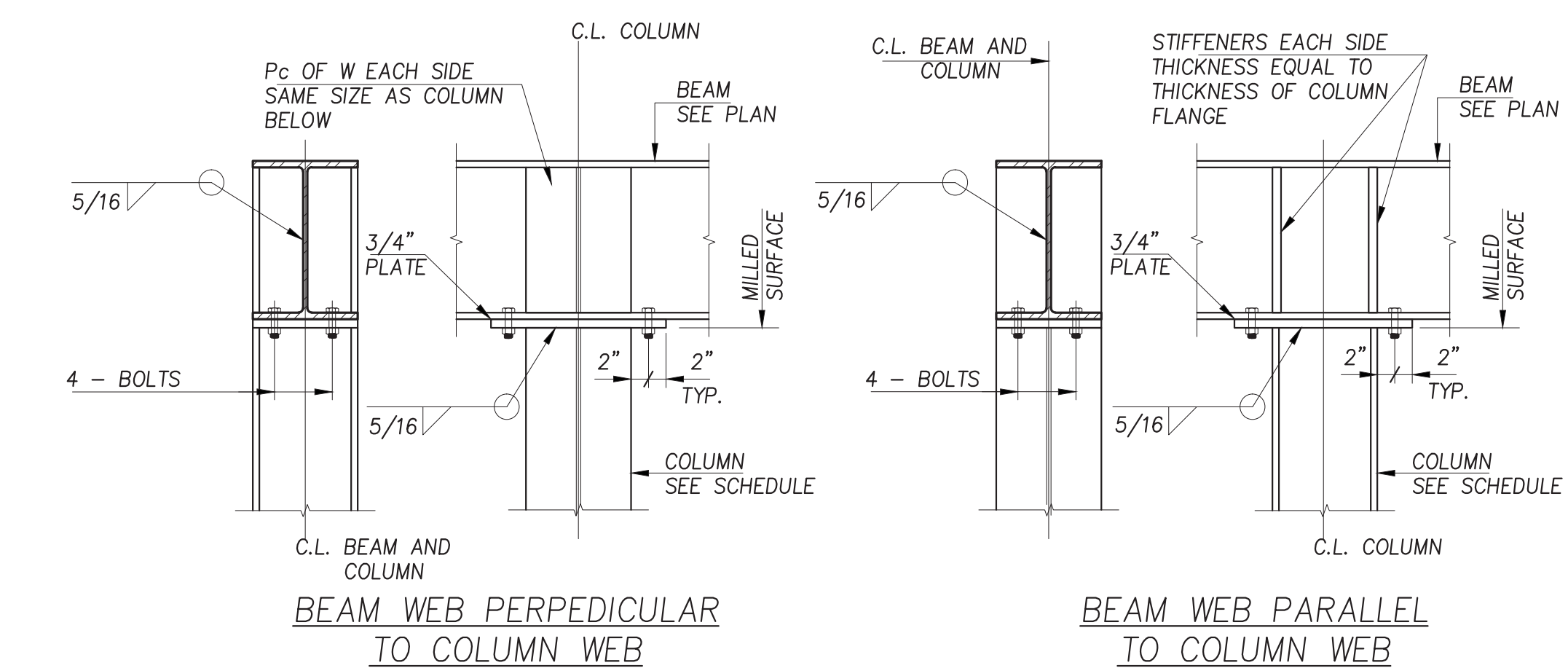
NOTES:

1. FOR WELDING OF DECK TO SUPPORT SEE SPECIFICATIONS.
2. ANY ATTACHMENT TO THE DECK EDGE FOR SUPPORT OF EXTERIOR WALLS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED FOR THE REVIEW OF THE ENGINEER OF RECORD.
3. FOR GAGE AND TYPE OF ROOF DECK, SEE PLAN.
4. FASTEN SIDE LAPS OF ALL ADJACENT DECK UNITS BETWEEN SUPPORTS WITH SELF-TAPPING No. 8 OR LARGER MACHINE SCREWS OR BY WELDING, AT INTERVALS NOT EXCEEDING 36" o.c.
5. FOR FLASHING DETAILS, CLOSURES, OR OTHER ROOF ACCESSORIES, SEE ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS.



TYPICAL BEAM BEARING PLATE DETAIL

BEARING PLATE SCHEDULE			
BEAM SIZE	B	THICKNESS	LENGTH
W8 THRU W12	4"	3/4"	0'-8"
W14 & W16	4"	1"	0'-10"
W18	4"	1 1/4"	0'-10"
W21	5"	1 1/4"	0'-10"
W24	6"	1 1/4"	0'-11"
W27 AND W30 LARGER THAN W30	7"	1 1/2"	1'-0"
	8"	1 3/4"	1'-2"



BEAM WEB PERPENDICULAR TO COLUMN WEB

BEAM WEB PARALLEL TO COLUMN WEB

TYPICAL BEAM SUPPORTED OVER COLUMN DETAILS

172-02 HILLSIDE AVENUE

Jamaica, New York
New Residential Development

Notes:

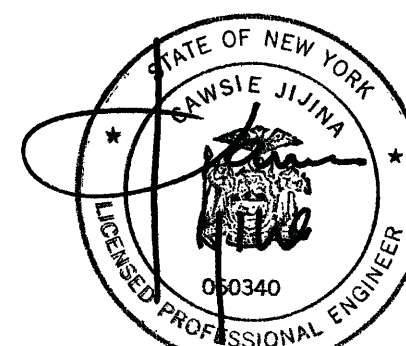
FRANK DENNER ARCHITECT
Architecture Interior Design Invention
18 East 50th Street Suite 602
New York, New York 10022
Tel 212 319 8852 Fax 212 319 0415

Title:
TYPICAL DETAILS III

Scale:
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OF

Date:
26 MAY 2015



APPENDIX-B



Geophysical Investigation Report

Location:

172nd Street & Hillside Avenue, Jamaica, NY 11432

Prepared for:

172 Street LLC., Jamaica, NY

Project Environmental consultant:

**Vikas Sharma, LSRP
Elemental Environmental
2 Lake View Ave, Suite 1-D
Piscataway, NJ 08854**

Investigated and prepared by:

**Kevin Gons
Geophysical SUE Technician
American Geophysics, Inc.
180 Main Street, #177
Butler, NJ 07405
(856) 344-2354**

Completed on:

07/05/18

INTRODUCTION

American Geophysics, Inc. is a geophysical survey and investigation services firm which provides Environmental & Engineering Geophysics (EEG) services to the environmental consulting, construction, and engineering community.

METHODOLOGY

Geophysical surveys are typically accomplished by employing the following techniques; Ground penetrating Radar (GPR), electromagnetic metal detector (Fisher TW6), radio frequency line locating (RF), Electromagnetic Profiler (EM). Underground storage tanks (USTs), utilities, and metallic anomalies are typically traced and mapped with RF, GPR, EM, and TW6 unit depending on the size, matrix and conductive properties of the targets. For concrete applications a GSSI Structurescan Mini XT 2.7 GHz and MALA CX concrete scanners are used to identify and characterize unique features in concrete slabs, beams, and columns. Site conditions and client specifications of areas of concern (AOCs), determine the survey extents and equipment used to provide the most comprehensive data possible.

Equipment Used:

Radiodetection RD1100 250MHz ground penetrating radar (GPR)

Radiodetection RD8000 PDL pipe and cable locator

Fisher TW-6 Magnetometer

SCOPE OF WORK

On July 5th 2018, a geophysical survey was completed at the aforementioned address (herein referred to as the "property"). The scope of work was to scan the property to determine if any underground storage tank (UST) type anomalies were present within the subsurface and clear selected areas for soil borings. The property consisted of an old gas and service station. The survey was performed using a RD1100 250MHz (GPR), Radiodetection RD8000 PDL pipe and cable locator, and a Fisher TW-6 magnetometer.

SURVEY RESULTS

The GPR and TW-6 were used in a hexagonal grid pattern over the property. 2D locations were logged and observed in real time. Data reflected in the scans did not yield any anomalies consistent with the signature of underground storage tanks (UST's). The RD-8000 was used to trace and locate existing utilities within the property. All utilities to the site had been shut off. Demolition of the buildings was in progress. Sewer and water had been cut. The presence of remaining underground electric was detected and marked within the site. A sump pump and drain was detected within the building with a drain and anomalous area marked. The cleared areas for soil borings were marked onsite with a "white" circle with an "X". (see Fig.1-2). All detected utilities were marked with the appropriate AWPA color code designations (see AWPA color code chart "Figures").

LIMITATIONS

Approximate penetration depth of GPR: 3'-5'. Due to surface conditions and the dielectric properties of the subsurface and properties of concrete, plastic polymer, and fiberglass, not all subsurface anomalies and utilities may have been detected. Buildings, curb lines, parked vehicles, metal structures, trees, and overgrowth may have affected survey results near and immediately beneath them.

Figures



Fig. 1: Old Electric Feed from street

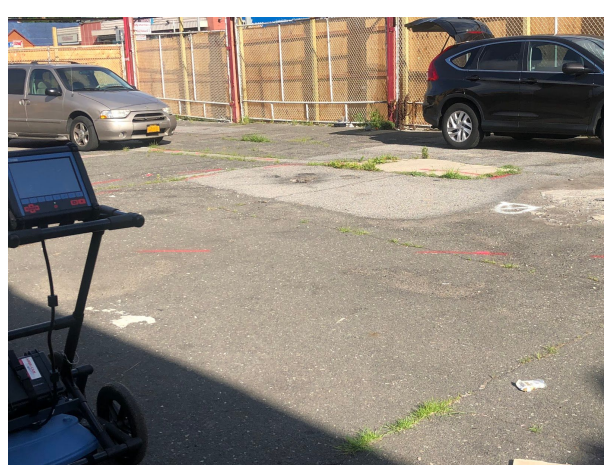


Fig. 2: Electric lines running in site

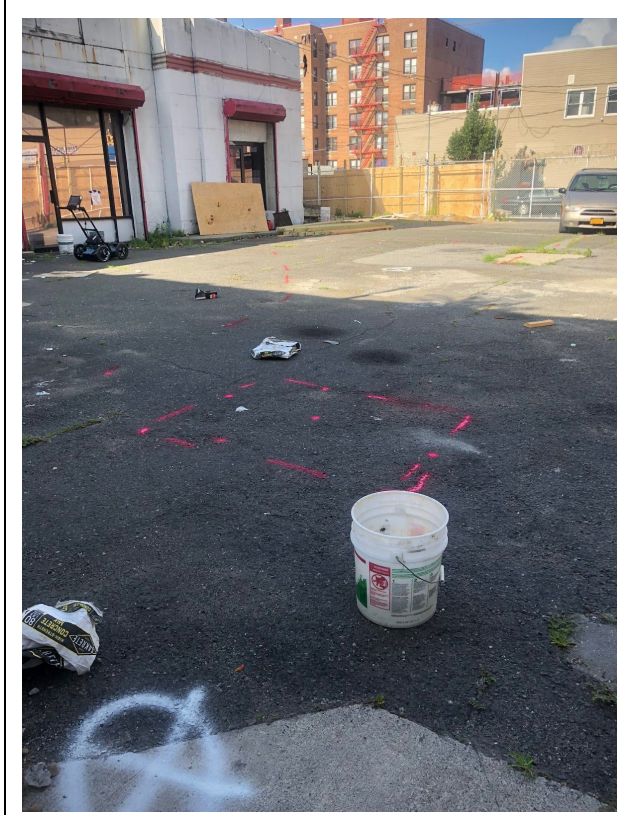


Fig. 1: Boring point and small anomaly leading to sump pump











Fig. 2: Sump pump in service bay



Fig. 1: Electric



Fig. 2: Demolition

	Red: Electric Power Lines, Cables, Conduit & Lighting Cables
	Yellow: Gas Oil, Steam, Petroleum or Gaseous Materials
	Orange: Communication, Cable TV, Alarm or Signal Lines, Cables or Conduit
	Blue: Potable Water
	Green: Sewers and Drain Lines
	Purple: Reclaimed Water, Irrigation and Slurry Lines
	Pink: Temporary Survey Markings
	White: Proposed Excavation

*All field services were conducted in compliance with the industry standard of care guidelines found in ASCE 38-02 (Level B) and marked in appropriate colors as per the APWA (American Public Works Association).

WARRANTIES

- ***American Geophysics, Inc. does not guarantee that utilities, conduit, and steel reinforcement will be avoided during drilling, cutting, trenching, and coring.***
- ***All utility designating will be in compliance with ASCE 38-02 (level B).***
- ***All field services were conducted in compliance with the industry standard of care guidelines found in CSDA-BP-007 and marked in appropriate colors as per the APWA (American Public Works Association).***
- ***The GPR unit must have direct contact with the concrete in order to collect quality data.***
- ***Any areas covered with debris cannot be scanned correctly with GPR.***
- ***Wet floors will not allow proper marking with paint and/or permanent marker.***
- ***All concrete slabs must be monolithic pours.***
- ***Dairy brick and some types of tile may cause signal interference.***
- ***New concrete can adversely affect the signal penetration and should be given a minimum of one month curing time.***
- ***All areas should be clear for scanning and marking.***

The field observations and measurements reported herein are considered sufficient in detail and scope for this project. American Geophysics, Inc. warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted geophysical methods. There is a possibility that conditions may exist which could not be identified within the scope of this project and were not apparent during the site activities performed for this project.

American Geophysics, Inc. represents that the services were performed in a manner consistent with that level of care and skill ordinarily exercised by geophysical consultants under similar circumstances. No other representations to Client, express or implied, and

no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

American Geophysics, Inc. Service, Inc. believes that the information provided in this report is reliable. However, American Geophysics, Inc. cannot warrant or guarantee that the information provided by others is complete or accurate. No other warranties or guarantees are implied or expressed.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating, drilling, and cutting around subsurface structures and utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation. American Geophysics, Inc. cannot guarantee that utilities, post-tension cables, and/or rebar will not be incurred during drilling, cutting, coring, and excavation activities.

Hand clearing or vacuum-excavation should be performed within 2.5' of any marks. American Geophysics, Inc. does not guarantee that utilities will not be encountered during drilling and/or excavation. Markout services performed by American Geophysics, Inc. do not satisfy state mark out requirements. By law, the appropriate state markout service must be notified prior to any digging activities (i.e. NJ one-call, PA one-call, CT call before you dig, MD & VA miss utility, dig safely NY, FL one-call, 811 one-call, call before you dig, Sunshine State One-Call).

This report was prepared pursuant to the contract American Geophysics, Inc. has with the Client. That contractual relationship included an exchange of information about the property that was unique and between American Geophysics, Inc. and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between American Geophysics, Inc. and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to American Geophysics, Inc.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third-party beneficiary to American Geophysics, Inc. contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

APPENDIX-C

Client: Ben Kaftari, 172 Street, LLC, 17-02 Hillside Avenue, Queens, NY

Project: 17-02 Hillside Avenue, Queens, NY, Block # 9829, Lot # 37

SOIL BORING LOGS

Location	Stratum	Depth (ft)	Recovery (inches)	PID (ppm)	Description of soil
SB-1	FILL	0-5	33	0	Fill; asphalt, concrete, coarse, medium-GRAVELS with dark Brown coarse-SAND. Sample SB-1@ 1.5' -2.0'.
	FILL	5-10	36	0	Dark fill, Brown coarse, medium-SAND, SOME Asphalt, followed by Brown Silty SAND
	NATIVE	10-15	40	0	Brown coarse, medium-SAND with SANDSTONE, some coarse, medium-GRAVELS
	NATIVE	15-20	36	45	Sandstone, some coarse, medium-GRAVELS followed by Grey Brown coarse, medium-GRAVELS, ODOR at 19-20'
	NATIVE	20-25	32	210	Grey Brown coarse, medium-SAND, some coarse, medium-GRAVELS, ODOR . Sample SB-1@ 22' -22.5'.
	NATIVE	25-30	40	180	Dark Grey, odor, stained soil, coarse, medium-SAND
	NATIVE	30-35	40	150	Dark Grey, odor, stained soil, coarse, medium-SAND End of Boring at 35.0'BGS Borehole collapsed.
SB-2	FILL	0-5	33	0	Fill containing asphalt, concrete, coarse, medium-GRAVELS and Brown SILTY SAND. Sample SB-2@ 1.5' -2.0'.
	FILL	5-10	40	0	Yellow, Brown, medium, fine-GRAVELS, some Concrete, trace Asphalt.
	NATIVE	10-15	41	0	Coarse, medium-GRAVELS, concrete followed by orange Brown, coarse, medium-SAND with SANDSTONE.
	NATIVE	15-20	40	60-65	Tan Brown to Orange Brown, coarse, medium-SAND with medium, fine-GRAVELS AT 19.5' STAINED COARSE, MEDIUM-sand dark Gray Sample SB-2@ 19' -19.5'.
	NATIVE	20-25	42	2	Dark Brown to Gray Brown coarse, medium-SAND with coarse, medium-GRAVELS. Sample SB-2@ 22' -22.5' . End of Boring at 25.0'BGS
SB-3					Moved location 10 ' away from within the structure slab to outside as it encountered refusal at 6.0' BGS
	FILL	0-5	28	0	Concrete, Asphalt, Dark Brown coarse, medium-SAND with GRAVELS, fill Sample SB-3@ 1.5' -2.0'.

Client: Ben Kaftari, 172 Street, LLC, 17-02 Hillside Avenue, Queens, NY

Project: 17-02 Hillside Avenue, Queens, NY, Block # 9829, Lot # 37

SOIL BORING LOGS

	FILL	5-10	40	6	Fill concrete, Gravels, Dark Brown medium, fine-SAND with Reddish Brown SILT @ Bottom. Sample SB-3@ 7.5' -8.0'.
	FILL	10-15	42	0	Fill with GRAVELS, Brown coarse, medium-SAND and some SANDSTONE
	NATIVE	15-20	45	0	Brown, coarse, medium-SAND with coarse medium-GRAVELS, SANDSTONE
	NATIVE	20-25	41	0	Upto 22' Brown coarse, medium-SAND with some coarse, medium-GRAVELS at 23.0' orange Brown coarse SAND Sample SB-3@ 22' -22.5'. End of Boring at 25.0'BGS
SB-4	FILL	0-5	35	0	Asphalt, Concrete, Dark Brown SAND with coarse, medium-GRAVELS (FILL) Sample SB-4@ 1.5' -2.0'.
	FILL	5.0-10	25	0	Fill, coarse, medium-GRAVELS, Tan Brown coarse, medium-SAND
	FILL	10.0-15.0	36	0	Dark, Brown, coarse, medium-SAND, some coarse, medium-GRAVELS, concrete followed by orange Brown coarse, medium-SAND
	NATIVE	15-20	40	185	Orange, Brown, coarse, medium-SAND, stained dark Grey coarse, medium SAND at 19.0' . Sample SB-4@ 19' -19.5'.
	NATIVE	20-25	30	5	Dark Grey Brown Silty SAND followed by Brown coarse, medium-SAND. Sample SB-4@ 22' -22.5'. End of Boring at 25.0'BGS
SB-5	FILL	0-5	25	2.0 – 7.5	Asphalt, Gravels, brick with Brown Silty SAND at bottom. Sample SB-5@ 1.5' -2.0'.
	FILL	5-10	40	5.0	Tan Brown to Yellow Brown Silty SAND trace medium, fine-GRAVELS, fill type soils.
	NATIVE	10-15	40	0.8-1.0	Gravels, Sandstone, Yellow Brown, coarse, medium-SAND with coarse, medium-GRAVELS.
	NATIVE	15-20	48	<1	Brown, coarse, medium-SAND, SANDSTONE, Orange brown and coarse, medium-SAND and coarse, medium-GRAVELS.
	NATIVE	20-25	20	10	Dark Brown coarse, medium-SAND with small trace coarse, medium GRAVELS, faint odor at 22-23'. Sample SB-5@ 22' -22.5'. End of Boring at 25.0'BGS

APPENDIX-D

APPENDIX C

EXAMPLE (Minimum Requirements)
WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) 172-02 Hillside
 Well Number TW-1 Date 7/77/18
 Field Personnel EC/VS
 Sampling Organization Elemental
 Identify MP DTW 53.51

Depth to 50 / 70 of screen
 (below MP) top bottom
 Pump Intake at (ft. below MP) 55'
 Purging Device; (pump type) Bladder
 Total Volume Purged 12 liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial ¹	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond. ² µS/cm	pH	ORP ³ mv	DO mg/L	Turbidity NTU	Comments
830											
840	53.52		200	2	22.40	2.47	7.13	-197	0	140	Screen, odor
850	53.53		200	5	21.32	2.59	7.19	-202	0	110	
915	53.53		200	9	20.54	2.63	7.24	-230	0	105	
920	53.53		200	10	20.50	2.65	7.25	-241	0	41	
925	53.53		200	11	20.45	2.70	7.27	-242	0	37	
930	53.53		200	12	20.42	2.71	7.30	-245	0	35	

Stabilization Criteria

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm (same as µmhos/cm) at 25°C.
3. Oxidation reduction potential (ORP)

3% ±0.1 ±10 mv 3% 10% 10%

APPENDIX C

EXAMPLE (Minimum Requirements)
WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) 172-02 Hillside
 Well Number TW-2 Date 7/26/18
 Field Personnel EC (KS)
 Sampling Organization Elcomentel
 Identify MP DTW 53.55 53.31

Depth to 50 / 70 of screen
 (below MP) top bottom
 Pump Intake at (ft. below MP) 55'
 Purging Device; (pump type) Bladder
 Total Volume Purged 12 Liters

Clock Time 24 HR	Water Depth below MP ft	Pump Dial'	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond. ² µS/cm	pH	ORP ³ mv	DO mg/L	Turbidity NTU	Comments
1155											
1224	53.24		200	6	20.77	2.96	7.42	-205	3.5	180	No sleep, No odor
1240	53.31		200	9	20.52	2.95	7.54	-220	0.46	47	
1245	53.31		200	10	20.52	2.97	7.54	-221	0.45	44	
1250	53.40		200	11	20.42	2.97	7.55	-221	0.35	35	
1255	53.40		200	12	20.35	2.97	7.56	-220	0.36	33	

Stabilization Criteria 3% ±0.1 ±10 mv 10% 3%

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm (same as µmhos/cm) at 25°C.
3. Oxidation reduction potential (ORP)

APPENDIX C

EXAMPLE (Minimum Requirements)
WELL PURGING-FIELD WATER QUALITY MEASUREMENTS FORM

Location (Site/Facility Name) 172-02 Hallside
 Well Number Tw-3 Date 7/20/18
 Field Personnel EC/VJS
 Sampling Organization Elemental
 Identify MP DTW 53.55

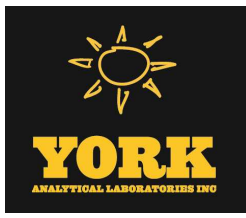
Depth to 50 / 70 of screen
 (below MP) top bottom
 Pump Intake at (ft. below MP) 56'
 Purging Device; (pump type) Bladder
 Total Volume Purged 3.65 gallons/14.14 L

Clock Time 24 HR	Water Depth below MP ft	Pump Dial ¹	Purge Rate ml/min	Cum. Volume Purged liters	Temp. °C	Spec. Cond. ² µS/cm	pH	ORP ³ mv	DO mg/L	Turbidity NTU	Comments
1700											
1720	53.6		200	4	23.34	1.45	7.07	-193	2.89	201	Sheeny odor
1735	53.7		200	7	21.15	1.57	7.13	-232	0	91	
1745	53.7		200	9	21.00	1.42	7.18	-238	0	59	
1750	53.7		200	10	20.78	1.67	7.21	-251	0	40	
1800	53.7		200	12	20.68	1.70	7.24	-264	0	32	
1805	53.7		200	13	20.68	1.70	7.24	-266	0	30	
1810	53.7		200	14	20.70	1.71	7.25	-269	0	29	

Stabilization Criteria 3% ±0.1 ±10 mv 10% 10%

1. Pump dial setting (for example: hertz, cycles/min, etc).
2. µSiemens per cm (same as µmhos/cm) at 25°C.
3. Oxidation reduction potential (ORP)

APPENDIX-E



Technical Report

prepared for:

Elemental Environments LLC

2 Lakeview Ave, Suite 1D,
Piscataway NJ, 08854

Attention: Vikas Sharma

Report Date: 08/03/2018

Client Project ID: EE-167 172-02 Hillside

York Project (SDG) No.: 18G1223

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/03/2018
Client Project ID: EE-167 172-02 Hillside
York Project (SDG) No.: 18G1223

Elemental Environments LLC
2 Lakeview Ave, Suite 1D,
Piscataway NJ, 08854
Attention: Vikas Sharma

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 27, 2018 and listed below. The project was identified as your project: **EE-167 172-02 Hillside**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18G1223-01	SG-1	Soil Vapor	07/26/2018	07/27/2018
18G1223-02	SG-2	Soil Vapor	07/26/2018	07/27/2018
18G1223-03	SG-3	Soil Vapor	07/26/2018	07/27/2018
18G1223-04	SG-4	Soil Vapor	07/26/2018	07/27/2018
18G1223-05	SG-5	Soil Vapor	07/26/2018	07/27/2018

General Notes for York Project (SDG) No.: 18G1223

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/03/2018





Sample Information

Client Sample ID: SG-1

York Sample ID: 18G1223-01

<u>York Project (SDG) No.</u> 18G1223	<u>Client Project ID</u> EE-167 172-02 Hillside	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/27/2018
------------------------------------------	----------------------------------------------------	-----------------------------	------------------------------------------------------	------------------------------------

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	47	68.44	EPA TO-15 Certifications:	07/31/2018 18:06	07/31/2018 18:06	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	37	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	47	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	52	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	37	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	28	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	6.8	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	51	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	34	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	53	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	41	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	28	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	32	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	48	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	34	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	45	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	41	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	32	68.44	EPA TO-15 Certifications:	07/31/2018 18:06	07/31/2018 18:06	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	41	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	49	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
78-93-3	2-Butanone	2600		ug/m ³	20	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	56	68.44	EPA TO-15 Certifications:	07/31/2018 18:06	07/31/2018 18:06	LDS



Sample Information

Client Sample ID: SG-1

York Sample ID: 18G1223-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	110	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	28	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
67-64-1	Acetone	5000		ug/m ³	33	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	15	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
71-43-2	Benzene	150		ug/m ³	22	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	35	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	46	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-25-2	Bromoform	ND		ug/m ³	71	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
74-83-9	Bromomethane	ND		ug/m ³	27	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	21	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	11	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	32	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-00-3	Chloroethane	ND		ug/m ³	18	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
67-66-3	Chloroform	ND		ug/m ³	33	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
74-87-3	Chloromethane	ND		ug/m ³	14	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	6.8	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	31	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
110-82-7	Cyclohexane	9300		ug/m ³	24	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	58	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	34	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
141-78-6	* Ethyl acetate	450		ug/m ³	49	68.44	EPA TO-15 Certifications:	07/31/2018 18:06	07/31/2018 18:06	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	30	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	73	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS



Sample Information

Client Sample ID: SG-1

York Sample ID: 18G1223-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m ³	34	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	28	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	25	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-09-2	Methylene chloride	ND		ug/m ³	48	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
142-82-5	n-Heptane	98000		ug/m ³	280	684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 17:43	08/01/2018 17:43	LDS
110-54-3	n-Hexane	150000		ug/m ³	480	1369	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/03/2018 17:10	08/03/2018 17:10	LDS
95-47-6	o-Xylene	ND		ug/m ³	30	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	59	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	34	68.44	EPA TO-15 Certifications:	07/31/2018 18:06	07/31/2018 18:06	LDS
115-07-1	* Propylene	500		ug/m ³	12	68.44	EPA TO-15 Certifications:	07/31/2018 18:06	07/31/2018 18:06	LDS
100-42-5	Styrene	ND		ug/m ³	29	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
127-18-4	Tetrachloroethylene	130		ug/m ³	12	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	40	68.44	EPA TO-15 Certifications:	07/31/2018 18:06	07/31/2018 18:06	LDS
108-88-3	Toluene	52		ug/m ³	26	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	27	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	31	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	9.2	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	38	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	24	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	30	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	4.4	68.44	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:06	07/31/2018 18:06	LDS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %		70-130						



Sample Information

Client Sample ID: SG-2

York Sample ID: 18G1223-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.5	2.116	EPA TO-15 Certifications:	07/30/2018 19:10	07/30/2018 19:10	LDS
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	ug/m ³	1.2	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.5	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-LO	ug/m ³	1.6	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.2	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-34-3	1,1-Dichloroethane	ND	IS-LO	ug/m ³	0.86	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-35-4	1,1-Dichloroethylene	ND	IS-LO	ug/m ³	0.21	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.6	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	1.0	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.6	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.3	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
107-06-2	1,2-Dichloroethane	ND	IS-LO	ug/m ³	0.86	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.98	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND	IS-LO	ug/m ³	1.5	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.0	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
106-99-0	1,3-Butadiene	46	IS-LO	ug/m ³	1.4	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
541-73-1	1,3-Dichlorobenzene	2.9		ug/m ³	1.3	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.98	2.116	EPA TO-15 Certifications:	07/30/2018 19:10	07/30/2018 19:10	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.3	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.5	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
78-93-3	2-Butanone	590		ug/m ³	25	84.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:51	07/31/2018 18:51	LDS
591-78-6	* 2-Hexanone	160		ug/m ³	1.7	2.116	EPA TO-15 Certifications:	07/30/2018 19:10	07/30/2018 19:10	LDS
107-05-1	3-Chloropropene	ND	IS-LO	ug/m ³	3.3	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS



Sample Information

Client Sample ID: SG-2

York Sample ID: 18G1223-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	23		ug/m ³	0.87	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
67-64-1	Acetone	2200		ug/m ³	40	84.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/31/2018 18:51	07/31/2018 18:51	LDS
107-13-1	Acrylonitrile	ND	IS-LO	ug/m ³	0.46	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
71-43-2	Benzene	97	IS-LO	ug/m ³	0.68	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	1.1	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.4	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-25-2	Bromoform	ND		ug/m ³	2.2	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
74-83-9	Bromomethane	ND	IS-LO	ug/m ³	0.82	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-15-0	Carbon disulfide	23	IS-LO	ug/m ³	0.66	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
56-23-5	Carbon tetrachloride	2.4	IS-LO	ug/m ³	0.33	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.97	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-00-3	Chloroethane	ND	IS-LO	ug/m ³	0.56	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
67-66-3	Chloroform	ND	IS-LO	ug/m ³	1.0	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
74-87-3	Chloromethane	6.7	IS-LO	ug/m ³	0.44	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.21	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.96	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
110-82-7	Cyclohexane	130	IS-LO	ug/m ³	0.73	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.8	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-71-8	Dichlorodifluoromethane	2.9	IS-LO	ug/m ³	1.0	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
141-78-6	* Ethyl acetate	ND	IS-LO	ug/m ³	1.5	2.116	EPA TO-15 Certifications:	07/30/2018 19:10	07/30/2018 19:10	LDS
100-41-4	Ethyl Benzene	1.7		ug/m ³	0.92	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	2.3	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
67-63-0	Isopropanol	52	IS-LO	ug/m ³	1.0	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS



Sample Information

Client Sample ID: SG-2

York Sample ID: 18G1223-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

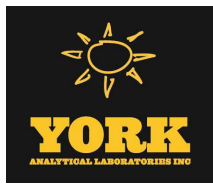
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.87	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	ug/m ³	0.76	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-09-2	Methylene chloride	ND	IS-LO	ug/m ³	1.5	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
142-82-5	n-Heptane	120	IS-LO	ug/m ³	0.87	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
110-54-3	n-Hexane	240	IS-LO	ug/m ³	0.75	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
95-47-6	o-Xylene	1.3		ug/m ³	0.92	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
179601-23-1	p- & m- Xylenes	4.0		ug/m ³	1.8	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	1.0	2.116	EPA TO-15 Certifications:	07/30/2018 19:10	07/30/2018 19:10	LDS
115-07-1	* Propylene	1000		ug/m ³	15	84.64	EPA TO-15 Certifications:	07/31/2018 18:51	07/31/2018 18:51	LDS
100-42-5	Styrene	ND		ug/m ³	0.90	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
127-18-4	Tetrachloroethylene	5.0		ug/m ³	0.36	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
109-99-9	* Tetrahydrofuran	ND	IS-LO	ug/m ³	1.2	2.116	EPA TO-15 Certifications:	07/30/2018 19:10	07/30/2018 19:10	LDS
108-88-3	Toluene	36		ug/m ³	0.80	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.84	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.96	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.28	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	2.3	IS-LO	ug/m ³	1.2	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
108-05-4	Vinyl acetate	ND	IS-LO	ug/m ³	0.75	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
593-60-2	Vinyl bromide	ND	IS-LO	ug/m ³	0.93	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
75-01-4	Vinyl Chloride	ND	IS-LO	ug/m ³	0.14	2.116	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 19:10	07/30/2018 19:10	LDS
	Surrogate Recoveries	Result					Acceptance Range			
460-00-4	Surrogate: p-Bromofluorobenzene	77.0 %					70-130			



Sample Information

Client Sample ID: SG-3

York Sample ID: 18G1223-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND	IS-LO	ug/m ³	1.1	1.583	EPA TO-15 Certifications:	07/30/2018 20:02	07/30/2018 20:02	LDS
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	ug/m ³	0.86	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/m ³	1.1	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-LO	ug/m ³	1.2	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.86	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-34-3	1,1-Dichloroethane	ND	IS-LO	ug/m ³	0.64	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-35-4	1,1-Dichloroethylene	ND	IS-LO	ug/m ³	0.16	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/m ³	1.2	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/m ³	0.78	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/m ³	0.95	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
107-06-2	1,2-Dichloroethane	ND	IS-LO	ug/m ³	0.64	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.73	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND	IS-LO	ug/m ³	1.1	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/m ³	0.78	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
106-99-0	1,3-Butadiene	96	IS-LO	ug/m ³	1.1	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
541-73-1	1,3-Dichlorobenzene	5.9	IS-LO	ug/m ³	0.95	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.73	1.583	EPA TO-15 Certifications:	07/30/2018 20:02	07/30/2018 20:02	LDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/m ³	0.95	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
78-93-3	2-Butanone	510		ug/m ³	19	63.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 13:39	08/01/2018 13:39	LDS
591-78-6	* 2-Hexanone	160		ug/m ³	1.3	1.583	EPA TO-15 Certifications:	07/30/2018 20:02	07/30/2018 20:02	LDS
107-05-1	3-Chloropropene	ND	IS-LO	ug/m ³	2.5	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS



Sample Information

Client Sample ID: SG-3

York Sample ID: 18G1223-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.65	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
67-64-1	Acetone	2900		ug/m ³	30	63.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 13:39	08/01/2018 13:39	LDS
107-13-1	Acrylonitrile	ND	IS-LO	ug/m ³	0.34	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
71-43-2	Benzene	71	IS-LO	ug/m ³	0.51	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
100-44-7	Benzyl chloride	ND	IS-LO	ug/m ³	0.82	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-25-2	Bromoform	ND	IS-LO	ug/m ³	1.6	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
74-83-9	Bromomethane	ND	IS-LO	ug/m ³	0.61	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-15-0	Carbon disulfide	17	IS-LO	ug/m ³	0.49	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
56-23-5	Carbon tetrachloride	ND	IS-LO	ug/m ³	0.25	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
108-90-7	Chlorobenzene	ND	IS-LO	ug/m ³	0.73	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-00-3	Chloroethane	ND	IS-LO	ug/m ³	0.42	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
67-66-3	Chloroform	ND	IS-LO	ug/m ³	0.77	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
74-87-3	Chloromethane	ND	IS-LO	ug/m ³	0.33	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.16	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
110-82-7	Cyclohexane	590		ug/m ³	22	63.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 13:39	08/01/2018 13:39	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-71-8	Dichlorodifluoromethane	3.4	IS-LO	ug/m ³	0.78	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
141-78-6	* Ethyl acetate	88	IS-LO	ug/m ³	1.1	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
100-41-4	Ethyl Benzene	13	IS-LO	ug/m ³	0.69	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/m ³	1.7	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
67-63-0	Isopropanol	15	IS-LO	ug/m ³	0.78	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS



Sample Information

Client Sample ID: SG-3

York Sample ID: 18G1223-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.65	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	ug/m ³	0.57	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-09-2	Methylene chloride	ND	IS-LO	ug/m ³	1.1	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
142-82-5	n-Heptane	4100		ug/m ³	26	63.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 13:39	08/01/2018 13:39	LDS
110-54-3	n-Hexane	2500		ug/m ³	22	63.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 13:39	08/01/2018 13:39	LDS
95-47-6	o-Xylene	42	IS-LO	ug/m ³	0.69	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
179601-23-1	p- & m- Xylenes	25	IS-LO	ug/m ³	1.4	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
622-96-8	* p-Ethyltoluene	ND	IS-LO	ug/m ³	0.78	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
115-07-1	* Propylene	490		ug/m ³	11	63.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 13:39	08/01/2018 13:39	LDS
100-42-5	Styrene	ND	IS-LO	ug/m ³	0.67	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
127-18-4	Tetrachloroethylene	11		ug/m ³	0.27	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
109-99-9	* Tetrahydrofuran	ND	IS-LO	ug/m ³	0.93	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
108-88-3	Toluene	27		ug/m ³	0.60	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.63	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	2.1	IS-LO	ug/m ³	0.89	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
108-05-4	Vinyl acetate	ND	IS-LO	ug/m ³	0.56	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
593-60-2	Vinyl bromide	ND	IS-LO	ug/m ³	0.69	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
75-01-4	Vinyl Chloride	ND	IS-LO	ug/m ³	0.10	1.583	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 20:02	07/30/2018 20:02	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	136 %	S-08		70-130					



Sample Information

Client Sample ID: SG-4

York Sample ID: 18G1223-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications:	07/30/2018 13:33	07/30/2018 20:54	LDS
71-55-6	1,1,1-Trichloroethane	4.6		ug/m ³	0.83	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.83	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.92	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.70	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
541-73-1	1,3-Dichlorobenzene	5.5		ug/m ³	0.92	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.70	1.523	EPA TO-15 Certifications:	07/30/2018 13:33	07/30/2018 20:54	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.92	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
78-93-3	2-Butanone	190		ug/m ³	18	60.92	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 14:24	08/01/2018 14:24	LDS
591-78-6	* 2-Hexanone	97		ug/m ³	1.2	1.523	EPA TO-15 Certifications:	07/30/2018 13:33	07/30/2018 20:54	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS



Sample Information

Client Sample ID: SG-4

York Sample ID: 18G1223-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	2.9		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
67-64-1	Acetone	970		ug/m ³	29	60.92	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 14:24	08/01/2018 14:24	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.33	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
71-43-2	Benzene	63		ug/m ³	0.49	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.79	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.59	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-15-0	Carbon disulfide	160		ug/m ³	0.47	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.24	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.70	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.40	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
67-66-3	Chloroform	1.6		ug/m ³	0.74	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.31	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
110-82-7	Cyclohexane	34		ug/m ³	0.52	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-71-8	Dichlorodifluoromethane	4.3		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
141-78-6	* Ethyl acetate	2.4		ug/m ³	1.1	1.523	EPA TO-15 Certifications:	07/30/2018 13:33	07/30/2018 20:54	LDS
100-41-4	Ethyl Benzene	1.1		ug/m ³	0.66	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
67-63-0	Isopropanol	12		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS



Sample Information

Client Sample ID: SG-4

York Sample ID: 18G1223-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	170		ug/m ³	0.55	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
142-82-5	n-Heptane	32		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
110-54-3	n-Hexane	48		ug/m ³	0.54	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
95-47-6	o-Xylene	0.86		ug/m ³	0.66	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
179601-23-1	p- & m- Xylenes	2.2		ug/m ³	1.3	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.75	1.523	EPA TO-15 Certifications:	07/30/2018 13:33	07/30/2018 20:54	LDS
115-07-1	* Propylene	96		ug/m ³	0.26	1.523	EPA TO-15 Certifications:	07/30/2018 13:33	07/30/2018 20:54	LDS
100-42-5	Styrene	ND		ug/m ³	0.65	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
127-18-4	Tetrachloroethylene	89		ug/m ³	0.26	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
109-99-9	* Tetrahydrofuran	1.7		ug/m ³	0.90	1.523	EPA TO-15 Certifications:	07/30/2018 13:33	07/30/2018 20:54	LDS
108-88-3	Toluene	27		ug/m ³	0.57	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.60	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.20	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	2.3		ug/m ³	0.86	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.67	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.097	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 13:33	07/30/2018 20:54	LDS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	75.8 %		70-130						



Sample Information

Client Sample ID: SG-5

York Sample ID: 18G1223-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.2	1.771	EPA TO-15 Certifications:	07/30/2018 21:46	07/30/2018 21:46	LDS
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	ug/m ³	0.97	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-LO	ug/m ³	1.4	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.97	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-34-3	1,1-Dichloroethane	ND	IS-LO	ug/m ³	0.72	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-35-4	1,1-Dichloroethylene	ND	IS-LO	ug/m ³	0.18	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
95-63-6	1,2,4-Trimethylbenzene	7.7		ug/m ³	0.87	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.4	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.1	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
107-06-2	1,2-Dichloroethane	ND	IS-LO	ug/m ³	0.72	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.82	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND	IS-LO	ug/m ³	1.2	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
108-67-8	1,3,5-Trimethylbenzene	2.5		ug/m ³	0.87	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
106-99-0	1,3-Butadiene	ND	IS-LO	ug/m ³	1.2	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.1	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.82	1.771	EPA TO-15 Certifications:	07/30/2018 21:46	07/30/2018 21:46	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.1	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.3	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
78-93-3	2-Butanone	42	IS-LO	ug/m ³	0.52	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
591-78-6	* 2-Hexanone	4.7		ug/m ³	1.5	1.771	EPA TO-15 Certifications:	07/30/2018 21:46	07/30/2018 21:46	LDS
107-05-1	3-Chloropropene	ND	IS-LO	ug/m ³	2.8	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS



Sample Information

Client Sample ID: SG-5

York Sample ID: 18G1223-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	6.5		ug/m ³	0.73	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
67-64-1	Acetone	590		ug/m ³	8.4	17.71	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	08/01/2018 15:10	08/01/2018 15:10	LDS
107-13-1	Acrylonitrile	ND	IS-LO	ug/m ³	0.38	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
71-43-2	Benzene	5.7	IS-LO	ug/m ³	0.57	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.92	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-25-2	Bromoform	ND		ug/m ³	1.8	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
74-83-9	Bromomethane	ND	IS-LO	ug/m ³	0.69	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-15-0	Carbon disulfide	0.77	IS-LO	ug/m ³	0.55	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
56-23-5	Carbon tetrachloride	1.1	IS-LO	ug/m ³	0.28	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.82	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-00-3	Chloroethane	ND	IS-LO	ug/m ³	0.47	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
67-66-3	Chloroform	1.8	IS-LO	ug/m ³	0.86	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
74-87-3	Chloromethane	ND	IS-LO	ug/m ³	0.37	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.18	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.80	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
110-82-7	Cyclohexane	21	IS-LO	ug/m ³	0.61	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.5	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-71-8	Dichlorodifluoromethane	4.3	IS-LO	ug/m ³	0.88	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
141-78-6	* Ethyl acetate	47	IS-LO	ug/m ³	1.3	1.771	EPA TO-15 Certifications:	07/30/2018 21:46	07/30/2018 21:46	LDS
100-41-4	Ethyl Benzene	8.7		ug/m ³	0.77	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
67-63-0	Isopropanol	39	IS-LO	ug/m ³	0.87	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS



Sample Information

Client Sample ID: SG-5

York Sample ID: 18G1223-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1223

EE-167 172-02 Hillside

Soil Vapor

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.73	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	ug/m ³	0.64	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-09-2	Methylene chloride	21	IS-LO	ug/m ³	1.2	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
142-82-5	n-Heptane	59	IS-LO	ug/m ³	0.73	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
110-54-3	n-Hexane	83	IS-LO	ug/m ³	0.62	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
95-47-6	o-Xylene	8.6		ug/m ³	0.77	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
179601-23-1	p- & m- Xylenes	29		ug/m ³	1.5	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
622-96-8	* p-Ethyltoluene	7.2		ug/m ³	0.87	1.771	EPA TO-15 Certifications:	07/30/2018 21:46	07/30/2018 21:46	LDS
115-07-1	* Propylene	17	IS-LO	ug/m ³	0.30	1.771	EPA TO-15 Certifications:	07/30/2018 21:46	07/30/2018 21:46	LDS
100-42-5	Styrene	3.4		ug/m ³	0.75	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
127-18-4	Tetrachloroethylene	5.3		ug/m ³	0.30	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
109-99-9	* Tetrahydrofuran	7.4	IS-LO	ug/m ³	1.0	1.771	EPA TO-15 Certifications:	07/30/2018 21:46	07/30/2018 21:46	LDS
108-88-3	Toluene	110		ug/m ³	0.67	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.70	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.80	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.24	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	3.7	IS-LO	ug/m ³	1.0	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
108-05-4	Vinyl acetate	ND	IS-LO	ug/m ³	0.62	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
593-60-2	Vinyl bromide	ND	IS-LO	ug/m ³	0.77	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
75-01-4	Vinyl Chloride	ND	IS-LO	ug/m ³	0.11	1.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	07/30/2018 21:46	07/30/2018 21:46	LDS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %		70-130						



Analytical Batch Summary

Batch ID: BG81406 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18G1223-02	SG-2	07/30/18
18G1223-03	SG-3	07/30/18
18G1223-04	SG-4	07/30/18
18G1223-05	SG-5	07/30/18
BG81406-BLK1	Blank	07/30/18
BG81406-BS1	LCS	07/30/18

Batch ID: BH80059 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18G1223-01	SG-1	07/31/18
18G1223-02RE1	SG-2	07/31/18
BH80059-BLK1	Blank	07/31/18
BH80059-BS1	LCS	07/31/18

Batch ID: BH80066 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18G1223-01RE1	SG-1	08/01/18
18G1223-03RE1	SG-3	08/01/18
18G1223-04RE1	SG-4	08/01/18
18G1223-05RE1	SG-5	08/01/18
BH80066-BLK1	Blank	08/01/18
BH80066-BS1	LCS	08/01/18

Batch ID: BH80199 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
18G1223-01RE2	SG-1	08/03/18
BH80199-BLK1	Blank	08/03/18
BH80199-BS1	LCS	08/03/18



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG81406 - EPA TO15 PREP

Blank (BG81406-BLK1)

Prepared & Analyzed: 07/30/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
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	0.099	"								
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	0.099	"								
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	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81406 - EPA TO15 PREP

Blank (BG81406-BLK1)

Prepared & Analyzed: 07/30/2018

n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.064	"								

<i>Surrogate: p-Bromofluorobenzene</i>	8.93		ppbv	10.0		89.3	70-130				
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LCS (BG81406-BS1)

Prepared & Analyzed: 07/30/2018

1,1,1,2-Tetrachloroethane	9.07		ppbv	10.0		90.7	70-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130				
1,1,2,2-Tetrachloroethane	8.94		"	10.0		89.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	70-130				
1,1,2-Trichloroethane	9.08		"	10.0		90.8	70-130				
1,1-Dichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethylene	9.07		"	10.0		90.7	70-130				
1,2,4-Trichlorobenzene	8.51		"	10.0		85.1	70-130				
1,2,4-Trimethylbenzene	8.86		"	10.0		88.6	70-130				
1,2-Dibromoethane	9.11		"	10.0		91.1	70-130				
1,2-Dichlorobenzene	9.78		"	10.0		97.8	70-130				
1,2-Dichloroethane	9.77		"	10.0		97.7	70-130				
1,2-Dichloropropane	8.57		"	10.0		85.7	70-130				
1,2-Dichlorotetrafluoroethane	8.24		"	10.0		82.4	70-130				
1,3,5-Trimethylbenzene	8.04		"	10.0		80.4	70-130				
1,3-Butadiene	7.10		"	10.0		71.0	70-130				
1,3-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,3-Dichloropropane	8.56		"	10.0		85.6	70-130				
1,4-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,4-Dioxane	8.31		"	10.0		83.1	70-130				
2-Butanone	9.39		"	10.0		93.9	70-130				
2-Hexanone	8.87		"	10.0		88.7	70-130				
3-Chloropropene	9.35		"	10.0		93.5	70-130				
4-Methyl-2-pentanone	8.33		"	10.0		83.3	70-130				
Acetone	8.87		"	10.0		88.7	70-130				
Acrylonitrile	10.7		"	10.0		107	70-130				
Benzene	10.1		"	10.0		101	70-130				
Benzyl chloride	9.42		"	10.0		94.2	70-130				
Bromodichloromethane	8.77		"	10.0		87.7	70-130				
Bromoform	9.61		"	10.0		96.1	70-130				
Bromomethane	9.99		"	10.0		99.9	70-130				
Carbon disulfide	11.2		"	10.0		112	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
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Batch BG81406 - EPA TO15 PREP

LCS (BG81406-BS1)

Prepared & Analyzed: 07/30/2018

Carbon tetrachloride	9.56		ppbv	10.0		95.6	70-130				
Chlorobenzene	9.20		"	10.0		92.0	70-130				
Chloroethane	11.4		"	10.0		114	70-130				
Chloroform	10.2		"	10.0		102	70-130				
Chloromethane	7.64		"	10.0		76.4	70-130				
cis-1,2-Dichloroethylene	9.51		"	10.0		95.1	70-130				
cis-1,3-Dichloropropylene	9.00		"	10.0		90.0	70-130				
Cyclohexane	10.2		"	10.0		102	70-130				
Dibromochloromethane	9.18		"	10.0		91.8	70-130				
Dichlorodifluoromethane	10.1		"	10.0		101	70-130				
Ethyl acetate	9.52		"	10.0		95.2	70-130				
Ethyl Benzene	8.39		"	10.0		83.9	70-130				
Hexachlorobutadiene	8.77		"	10.0		87.7	70-130				
Isopropanol	11.0		"	10.0		110	70-130				
Methyl Methacrylate	8.88		"	10.0		88.8	70-130				
Methyl tert-butyl ether (MTBE)	18.5		"	10.0		185	70-130	High Bias			
Methylene chloride	9.75		"	10.0		97.5	70-130				
n-Heptane	9.27		"	10.0		92.7	70-130				
n-Hexane	10.3		"	10.0		103	70-130				
o-Xylene	8.27		"	10.0		82.7	70-130				
p- & m- Xylenes	17.0		"	20.0		85.2	70-130				
p-Ethyltoluene	9.50		"	10.0		95.0	70-130				
Propylene	8.88		"	10.0		88.8	70-130				
Styrene	9.53		"	10.0		95.3	70-130				
Tetrachloroethylene	10.3		"	10.0		103	70-130				
Tetrahydrofuran	9.48		"	10.0		94.8	70-130				
Toluene	8.69		"	10.0		86.9	70-130				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				
trans-1,3-Dichloropropylene	8.61		"	10.0		86.1	70-130				
Trichloroethylene	8.25		"	10.0		82.5	70-130				
Trichlorofluoromethane (Freon 11)	10.1		"	10.0		101	70-130				
Vinyl acetate	14.3		"	10.0		143	70-130	High Bias			
Vinyl bromide	11.3		"	10.0		113	70-130				
Vinyl Chloride	7.06		"	10.0		70.6	70-130				
Surrogate: p-Bromofluorobenzene	9.96		"	10.0		99.6	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
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Batch BH80059 - EPA TO15 PREP

Blank (BH80059-BLK1)

Prepared & Analyzed: 07/31/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
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	0.099	"								
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	0.099	"								
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	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80059 - EPA TO15 PREP

Blank (BH80059-BLK1)

Prepared & Analyzed: 07/31/2018

o-Xylene	ND	0.43	ug/m ³								
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	0.064	"								

<i>Surrogate: p-Bromofluorobenzene</i>	8.82		ppbv	10.0		88.2	70-130				
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LCS (BH80059-BS1)

Prepared & Analyzed: 07/31/2018

1,1,1,2-Tetrachloroethane	9.04		ppbv	10.0		90.4	70-130				
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130				
1,1,2,2-Tetrachloroethane	8.50		"	10.0		85.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	70-130				
1,1,2-Trichloroethane	8.83		"	10.0		88.3	70-130				
1,1-Dichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethylene	9.39		"	10.0		93.9	70-130				
1,2,4-Trichlorobenzene	8.75		"	10.0		87.5	70-130				
1,2,4-Trimethylbenzene	8.88		"	10.0		88.8	70-130				
1,2-Dibromoethane	8.96		"	10.0		89.6	70-130				
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,2-Dichloroethane	10.4		"	10.0		104	70-130				
1,2-Dichloropropane	7.98		"	10.0		79.8	70-130				
1,2-Dichlorotetrafluoroethane	9.50		"	10.0		95.0	70-130				
1,3,5-Trimethylbenzene	8.76		"	10.0		87.6	70-130				
1,3-Butadiene	9.68		"	10.0		96.8	70-130				
1,3-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,3-Dichloropropane	8.30		"	10.0		83.0	70-130				
1,4-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,4-Dioxane	8.10		"	10.0		81.0	70-130				
2-Butanone	9.25		"	10.0		92.5	70-130				
2-Hexanone	8.01		"	10.0		80.1	70-130				
3-Chloropropene	9.04		"	10.0		90.4	70-130				
4-Methyl-2-pentanone	7.63		"	10.0		76.3	70-130				
Acetone	8.68		"	10.0		86.8	70-130				
Acrylonitrile	10.4		"	10.0		104	70-130				
Benzene	10.7		"	10.0		107	70-130				
Benzyl chloride	9.35		"	10.0		93.5	70-130				
Bromodichloromethane	8.58		"	10.0		85.8	70-130				
Bromoform	9.75		"	10.0		97.5	70-130				
Bromomethane	10.5		"	10.0		105	70-130				
Carbon disulfide	11.5		"	10.0		115	70-130				
Carbon tetrachloride	10.9		"	10.0		109	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80059 - EPA TO15 PREP

LCS (BH80059-BS1)

Prepared & Analyzed: 07/31/2018

Chlorobenzene	8.93		ppbv	10.0		89.3	70-130						
Chloroethane	11.6		"	10.0		116	70-130						
Chloroform	10.9		"	10.0		109	70-130						
Chloromethane	9.33		"	10.0		93.3	70-130						
cis-1,2-Dichloroethylene	9.87		"	10.0		98.7	70-130						
cis-1,3-Dichloropropylene	8.64		"	10.0		86.4	70-130						
Cyclohexane	10.4		"	10.0		104	70-130						
Dibromochloromethane	9.48		"	10.0		94.8	70-130						
Dichlorodifluoromethane	10.2		"	10.0		102	70-130						
Ethyl acetate	9.28		"	10.0		92.8	70-130						
Ethyl Benzene	7.99		"	10.0		79.9	70-130						
Hexachlorobutadiene	9.33		"	10.0		93.3	70-130						
Isopropanol	10.8		"	10.0		108	70-130						
Methyl Methacrylate	8.44		"	10.0		84.4	70-130						
Methyl tert-butyl ether (MTBE)	19.4		"	10.0		194	70-130			High Bias			
Methylene chloride	9.76		"	10.0		97.6	70-130						
n-Heptane	9.13		"	10.0		91.3	70-130						
n-Hexane	10.3		"	10.0		103	70-130						
o-Xylene	8.23		"	10.0		82.3	70-130						
p- & m- Xylenes	16.6		"	20.0		83.2	70-130						
p-Ethyltoluene	9.53		"	10.0		95.3	70-130						
Propylene	7.85		"	10.0		78.5	70-130						
Styrene	9.55		"	10.0		95.5	70-130						
Tetrachloroethylene	10.7		"	10.0		107	70-130						
Tetrahydrofuran	9.42		"	10.0		94.2	70-130						
Toluene	8.50		"	10.0		85.0	70-130						
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130						
trans-1,3-Dichloropropylene	8.36		"	10.0		83.6	70-130						
Trichloroethylene	8.10		"	10.0		81.0	70-130						
Trichlorofluoromethane (Freon 11)	11.1		"	10.0		111	70-130						
Vinyl acetate	13.9		"	10.0		139	70-130			High Bias			
Vinyl bromide	11.8		"	10.0		118	70-130						
Vinyl Chloride	9.62		"	10.0		96.2	70-130						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.81</i>		<i>"</i>	<i>10.0</i>		<i>98.1</i>	<i>70-130</i>						



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80066 - EPA TO15 PREP

Blank (BH80066-BLK1)

Prepared & Analyzed: 08/01/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
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	0.099	"
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	0.099	"
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	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80066 - EPA TO15 PREP

Blank (BH80066-BLK1)

Prepared & Analyzed: 08/01/2018

o-Xylene	ND	0.43	ug/m ³								
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	0.064	"								

<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.06</i>		<i>ppbv</i>	<i>10.0</i>		<i>90.6</i>	<i>70-130</i>				
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LCS (BH80066-BS1)

Prepared & Analyzed: 08/01/2018

1,1,1,2-Tetrachloroethane	9.16		ppbv	10.0		91.6	70-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	9.08		"	10.0		90.8	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130				
1,1,2-Trichloroethane	9.20		"	10.0		92.0	70-130				
1,1-Dichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethylene	9.04		"	10.0		90.4	70-130				
1,2,4-Trichlorobenzene	8.66		"	10.0		86.6	70-130				
1,2,4-Trimethylbenzene	9.03		"	10.0		90.3	70-130				
1,2-Dibromoethane	9.22		"	10.0		92.2	70-130				
1,2-Dichlorobenzene	9.90		"	10.0		99.0	70-130				
1,2-Dichloroethane	9.57		"	10.0		95.7	70-130				
1,2-Dichloropropane	8.80		"	10.0		88.0	70-130				
1,2-Dichlorotetrafluoroethane	8.35		"	10.0		83.5	70-130				
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	70-130				
1,3-Butadiene	8.98		"	10.0		89.8	70-130				
1,3-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,3-Dichloropropane	8.78		"	10.0		87.8	70-130				
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130				
1,4-Dioxane	8.35		"	10.0		83.5	70-130				
2-Butanone	9.37		"	10.0		93.7	70-130				
2-Hexanone	9.16		"	10.0		91.6	70-130				
3-Chloropropene	9.48		"	10.0		94.8	70-130				
4-Methyl-2-pentanone	8.63		"	10.0		86.3	70-130				
Acetone	8.79		"	10.0		87.9	70-130				
Acrylonitrile	10.6		"	10.0		106	70-130				
Benzene	9.98		"	10.0		99.8	70-130				
Benzyl chloride	9.64		"	10.0		96.4	70-130				
Bromodichloromethane	8.87		"	10.0		88.7	70-130				
Bromoform	9.70		"	10.0		97.0	70-130				
Bromomethane	9.84		"	10.0		98.4	70-130				
Carbon disulfide	11.0		"	10.0		110	70-130				
Carbon tetrachloride	9.30		"	10.0		93.0	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
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Batch BH80066 - EPA TO15 PREP

LCS (BH80066-BS1)

Prepared & Analyzed: 08/01/2018

Chlorobenzene	9.31		ppbv	10.0		93.1	70-130				
Chloroethane	11.5		"	10.0		115	70-130				
Chloroform	10.1		"	10.0		101	70-130				
Chloromethane	9.01		"	10.0		90.1	70-130				
cis-1,2-Dichloroethylene	9.46		"	10.0		94.6	70-130				
cis-1,3-Dichloropropylene	9.17		"	10.0		91.7	70-130				
Cyclohexane	10.2		"	10.0		102	70-130				
Dibromochloromethane	9.31		"	10.0		93.1	70-130				
Dichlorodifluoromethane	9.83		"	10.0		98.3	70-130				
Ethyl acetate	9.50		"	10.0		95.0	70-130				
Ethyl Benzene	8.46		"	10.0		84.6	70-130				
Hexachlorobutadiene	8.88		"	10.0		88.8	70-130				
Isopropanol	11.0		"	10.0		110	70-130				
Methyl Methacrylate	9.06		"	10.0		90.6	70-130				
Methyl tert-butyl ether (MTBE)	18.0		"	10.0		180	70-130	High Bias			
Methylene chloride	9.79		"	10.0		97.9	70-130				
n-Heptane	9.27		"	10.0		92.7	70-130				
n-Hexane	10.1		"	10.0		101	70-130				
o-Xylene	8.42		"	10.0		84.2	70-130				
p- & m- Xylenes	17.4		"	20.0		87.0	70-130				
p-Ethyltoluene	9.76		"	10.0		97.6	70-130				
Propylene	8.99		"	10.0		89.9	70-130				
Styrene	9.65		"	10.0		96.5	70-130				
Tetrachloroethylene	10.3		"	10.0		103	70-130				
Tetrahydrofuran	9.60		"	10.0		96.0	70-130				
Toluene	8.77		"	10.0		87.7	70-130				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
trans-1,3-Dichloropropylene	8.73		"	10.0		87.3	70-130				
Trichloroethylene	8.37		"	10.0		83.7	70-130				
Trichlorofluoromethane (Freon 11)	9.84		"	10.0		98.4	70-130				
Vinyl acetate	14.3		"	10.0		143	70-130	High Bias			
Vinyl bromide	11.0		"	10.0		110	70-130				
Vinyl Chloride	8.85		"	10.0		88.5	70-130				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80199 - EPA TO15 PREP

Blank (BH80199-BLK1)

Prepared & Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
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	0.099	"
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	0.099	"
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	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80199 - EPA TO15 PREP

Blank (BH80199-BLK1)

Prepared & Analyzed: 08/03/2018

o-Xylene	ND	0.43	ug/m ³								
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	0.064	"								

<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.18</i>		<i>ppbv</i>	<i>10.0</i>		<i>91.8</i>	<i>70-130</i>				
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LCS (BH80199-BS1)

Prepared & Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	9.27		ppbv	10.0		92.7	70-130				
1,1,1-Trichloroethane	10.0		"	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	9.36		"	10.0		93.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130				
1,1,2-Trichloroethane	9.35		"	10.0		93.5	70-130				
1,1-Dichloroethane	10.0		"	10.0		100	70-130				
1,1-Dichloroethylene	9.06		"	10.0		90.6	70-130				
1,2,4-Trichlorobenzene	8.93		"	10.0		89.3	70-130				
1,2,4-Trimethylbenzene	9.28		"	10.0		92.8	70-130				
1,2-Dibromoethane	9.33		"	10.0		93.3	70-130				
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,2-Dichloroethane	9.48		"	10.0		94.8	70-130				
1,2-Dichloropropane	8.98		"	10.0		89.8	70-130				
1,2-Dichlorotetrafluoroethane	10.3		"	10.0		103	70-130				
1,3,5-Trimethylbenzene	9.14		"	10.0		91.4	70-130				
1,3-Butadiene	11.0		"	10.0		110	70-130				
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130				
1,3-Dichloropropane	9.00		"	10.0		90.0	70-130				
1,4-Dichlorobenzene	10.8		"	10.0		108	70-130				
1,4-Dioxane	8.53		"	10.0		85.3	70-130				
2-Butanone	9.50		"	10.0		95.0	70-130				
2-Hexanone	9.53		"	10.0		95.3	70-130				
3-Chloropropene	9.47		"	10.0		94.7	70-130				
4-Methyl-2-pentanone	8.94		"	10.0		89.4	70-130				
Acetone	8.96		"	10.0		89.6	70-130				
Acrylonitrile	10.6		"	10.0		106	70-130				
Benzene	9.66		"	10.0		96.6	70-130				
Benzyl chloride	9.92		"	10.0		99.2	70-130				
Bromodichloromethane	9.18		"	10.0		91.8	70-130				
Bromoform	9.88		"	10.0		98.8	70-130				
Bromomethane	9.82		"	10.0		98.2	70-130				
Carbon disulfide	11.0		"	10.0		110	70-130				
Carbon tetrachloride	9.19		"	10.0		91.9	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

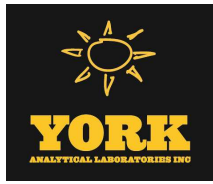
Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	%REC			Limit			

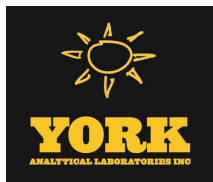
Batch BH80199 - EPA TO15 PREP

LCS (BH80199-BS1)

Prepared & Analyzed: 08/03/2018

Chlorobenzene	9.46		ppbv	10.0		94.6	70-130					
Chloroethane	11.5		"	10.0		115	70-130					
Chloroform	10.0		"	10.0		100	70-130					
Chloromethane	11.0		"	10.0		110	70-130					
cis-1,2-Dichloroethylene	9.48		"	10.0		94.8	70-130					
cis-1,3-Dichloropropylene	9.36		"	10.0		93.6	70-130					
Cyclohexane	10.0		"	10.0		100	70-130					
Dibromochloromethane	9.40		"	10.0		94.0	70-130					
Dichlorodifluoromethane	10.1		"	10.0		101	70-130					
Ethyl acetate	9.65		"	10.0		96.5	70-130					
Ethyl Benzene	8.73		"	10.0		87.3	70-130					
Hexachlorobutadiene	9.28		"	10.0		92.8	70-130					
Isopropanol	11.2		"	10.0		112	70-130					
Methyl Methacrylate	9.23		"	10.0		92.3	70-130					
Methyl tert-butyl ether (MTBE)	17.8		"	10.0		178	70-130			High Bias		
Methylene chloride	9.93		"	10.0		99.3	70-130					
n-Heptane	9.22		"	10.0		92.2	70-130					
n-Hexane	10.2		"	10.0		102	70-130					
o-Xylene	8.62		"	10.0		86.2	70-130					
p- & m- Xylenes	17.8		"	20.0		89.2	70-130					
p-Ethyltoluene	10.1		"	10.0		101	70-130					
Propylene	9.18		"	10.0		91.8	70-130					
Styrene	9.78		"	10.0		97.8	70-130					
Tetrachloroethylene	10.6		"	10.0		106	70-130					
Tetrahydrofuran	9.55		"	10.0		95.5	70-130					
Toluene	8.92		"	10.0		89.2	70-130					
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130					
trans-1,3-Dichloropropylene	8.88		"	10.0		88.8	70-130					
Trichloroethylene	8.48		"	10.0		84.8	70-130					
Trichlorofluoromethane (Freon 11)	9.86		"	10.0		98.6	70-130					
Vinyl acetate	14.4		"	10.0		144	70-130			High Bias		
Vinyl bromide	10.8		"	10.0		108	70-130					
Vinyl Chloride	10.9		"	10.0		109	70-130					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>					





Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.

Definitions and Other Explanations

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

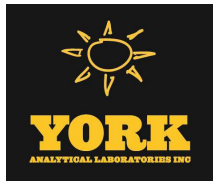
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



Field Chain-of-Custody Record - AIR

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.

YOUR Information Company: <u>Elemental Env. Inc.</u> Address: <u>2 Lechevise Ave</u> <u>Piscataway 08854</u> Phone No. <u>848 1219 8425</u> Contact Person: <u>VIKAS SHARMA</u> E-Mail Address: <u>Elemental.Environment@elemental.com</u>		Report To: Company: <u>same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>EE-167</u> Purchase Order No. <u>17202 Hillside</u> Samples from: CT ___ NY <u>X</u> NJ ___		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type/Deliverables Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ NY ASP A Package _____ NY ASP B/CLP Pkg _____ NJDEP Reduced _____ Electronic Deliverables: EDD (Specify Type) _____ Standard Excel _____ Regulatory Comparison Excel <input checked="" type="checkbox"/>	
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	-----------------------------------------------------------------------------------------------------------------------------	--	------------------------------------------------------------------------------------------------------------------------------	--	------------------------------------------------------------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

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.

Air Matrix Codes
 AI - INDOOR Ambient Air
 AO - OUTDOOR Amb. Air
 AE - Vapor Extraction Well/
 Process Gas/Effluent
 AS - SOIL Vapor/Sub-Slab

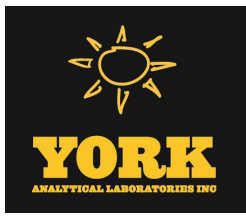
Additional Notes:
 Detection Limits Required _____
 ≤ 1 ug/m³ _____
 NYDEC VI Limits
 (V - vapor unadjusted)
 NJDEP low level _____
 Routine Survey _____
 Other _____

Please enter the following Field Data

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
SG-1	7/26/18	AS	-3.1	-6	18301	5413	T0-15	6 Liter canister X Tedlar Bag
SG-2		AS	-28.5	-10	479	5603	T0-15	6 Liter canister X Tedlar Bag
SG-3		AS	-29.5	-4	28857	7361	T0-15	6 Liter canister X Tedlar Bag
SG-4		AS	-28	-3	2414	5415	T0-15	6 Liter canister X Tedlar Bag
SG-5		AS	-27	-4.5	2415	5612	T0-15	6 Liter canister X Tedlar Bag

Comments

Samples Relinquished By: [Signature] Date/Time: 7/27/18
 Samples Relinquished By: [Signature] Date/Time: 7-27-18
 Samples Received in LAB by: [Signature] Date/Time: 1917



Technical Report

prepared for:

Elemental Environments LLC

2 Lakeview Ave, Suite 1D,
Piscataway NJ, 08854

Attention: Vikas Sharma

Report Date: 08/06/2018

Client Project ID: EE-167

York Project (SDG) No.: 18G1213

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Elemental Environments LLC
2 Lakeview Ave, Suite 1D,
Piscataway NJ, 08854
Attention: Vikas Sharma

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 27, 2018 and listed below. The project was identified as your project: **EE-167**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18G1213-01	SB-1 (0-2)	Soil	07/26/2018	07/27/2018
18G1213-02	SB-1 (23-25)	Soil	07/26/2018	07/27/2018
18G1213-03	SB-2 (0-2)	Soil	07/26/2018	07/27/2018
18G1213-04	SB-2 (23-25)	Soil	07/26/2018	07/27/2018
18G1213-05	SB-2 (19-19.5)	Soil	07/26/2018	07/27/2018
18G1213-06	SB-3 (0-2)	Soil	07/26/2018	07/27/2018
18G1213-07	SB-3 (23-25)	Soil	07/26/2018	07/27/2018
18G1213-08	SB-3 (7-8)	Soil	07/26/2018	07/27/2018
18G1213-09	SB-4 (0-2)	Soil	07/26/2018	07/27/2018
18G1213-10	SB-4 (23-25)	Soil	07/26/2018	07/27/2018
18G1213-11	SB-4 (19-19.5)	Soil	07/26/2018	07/27/2018
18G1213-12	SB-5 (0-2)	Soil	07/26/2018	07/27/2018
18G1213-13	SB-5 (23-25)	Soil	07/26/2018	07/27/2018
18G1213-14	SB-5 (10-15)	Soil	07/26/2018	07/27/2018
18G1213-15	TW-1	Water	07/27/2018	07/27/2018
18G1213-16	TW-2	Water	07/26/2018	07/27/2018
18G1213-17	TW-3	Water	07/26/2018	07/27/2018
18G1213-18	Trip Blank	Water	07/27/2018	07/27/2018

General Notes for York Project (SDG) No.: 18G1213

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/06/2018





Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18G1213	EE-167	Soil	July 26, 2018 6:15 pm	07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 13:28	08/01/2018 13:28	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 13:28	08/01/2018 13:28	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:15 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 13:28	08/01/2018 13:28	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
67-64-1	Acetone	0.012		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:15 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:15 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH	08/01/2018 13:28	08/01/2018 13:28	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 13:28	08/01/2018 13:28	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 13:28	08/01/2018 13:28	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	99.6 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	112 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:15 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:15 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:15 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 16:28	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	43.3 %	20-108
4165-62-2	Surrogate: Phenol-d5	38.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	52.4 %	22-108



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:15 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	53.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	83.4 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	76.3 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
309-00-2	Aldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
5103-71-9	alpha-Chlordane	39.2		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/31/2018 07:32	07/31/2018 21:36	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
57-74-9	Chlordane, total	62.2		ug/kg dry	34.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/31/2018 07:32	07/31/2018 21:36	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
5566-34-7	gamma-Chlordane	23.0		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/31/2018 07:32	07/31/2018 21:36	SA



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:15 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-44-8	Heptachlor	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.70	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
8001-35-2	Toxaphene	ND		ug/kg dry	88.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	07/31/2018 21:36	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	90.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.7 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:28	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:28	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:28	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:28	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:28	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:28	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:28	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	07/31/2018 07:32	08/01/2018 05:28	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.8 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	57.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8280		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:15 pm	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	0.817		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-38-2	Arsenic	1.75		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-39-3	Barium	44.8		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.317	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-70-2	Calcium	7450		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-47-3	Chromium	19.7		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-48-4	Cobalt	10.8		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-50-8	Copper	19.9		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7439-89-6	Iron	17100	B	mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7439-92-1	Lead	10.1		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7439-95-4	Magnesium	2950		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7439-96-5	Manganese	311		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-02-0	Nickel	16.8		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-09-7	Potassium	939		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-22-4	Silver	ND		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-23-5	Sodium	219		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-62-2	Vanadium	21.1		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML
7440-66-6	Zinc	32.6		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:51	KML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-1 (0-2)

York Sample ID: 18G1213-01

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:15 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0657		mg/kg dry	0.0317	1	EPA 7473	07/31/2018 09:40	07/31/2018 11:09	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	480	HT-01	mV	-200	1	ASTM 1498-08 M	08/03/2018 11:41	08/03/2018 16:18	TJD
							Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.5		%	0.100	1	SM 2540G	08/02/2018 23:25	08/03/2018 03:59	AA
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.529	1	EPA 7196A	08/01/2018 17:46	08/02/2018 17:53	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	8.79	HT-01	pH units	0.500	1	EPA 9045D	08/03/2018 11:44	08/03/2018 16:21	TJD
							Certifications:	NELAC-NY10854,CTDOH,PADEP,NJDEP		

Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:30 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:30 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 16:33	08/01/2018 16:33	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 16:33	08/01/2018 16:33	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
95-63-6	1,2,4-Trimethylbenzene	0.052		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
108-67-8	1,3,5-Trimethylbenzene	0.018		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 16:33	08/01/2018 16:33	LL



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	0.017		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
67-64-1	Acetone	0.080		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-15-0	Carbon disulfide	0.0066		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
100-41-4	Ethyl Benzene	0.022		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
98-82-8	Isopropylbenzene	2.5		mg/kg dry	0.43	0.87	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 16:06	08/02/2018 16:06	LL
79-20-9	Methyl acetate	0.0023	J	mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.43	0.87	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 16:06	08/02/2018 16:06	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
104-51-8	n-Butylbenzene	3.6		mg/kg dry	0.43	0.87	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 16:06	08/02/2018 16:06	LL
103-65-1	n-Propylbenzene	7.3		mg/kg dry	0.43	0.87	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 16:06	08/02/2018 16:06	LL
95-47-6	o-Xylene	0.044		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
179601-23-1	p- & m- Xylenes	0.097		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
99-87-6	p-Isopropyltoluene	0.030		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
135-98-8	sec-Butylbenzene	2.4		mg/kg dry	0.43	0.87	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 16:06	08/02/2018 16:06	LL
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-65-0	tert-Butyl alcohol (TBA)	0.0052		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
98-06-6	tert-Butylbenzene	0.024		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:30 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH	08/01/2018 16:33	08/01/2018 16:33	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 16:33	08/01/2018 16:33	LL
1330-20-7	Xylenes, Total	0.14		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 16:33	08/01/2018 16:33	LL
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	75.6 %	S-08	77-125							
2037-26-5	Surrogate: Toluene-d8	186 %	S-08	85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	33.2 %	S-08	76-130							

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:30 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
91-57-6	2-Methylnaphthalene	1.03		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
83-32-9	Acenaphthene	0.266	J	mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
208-96-8	Acenaphthylene	0.262	J	mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
62-53-3	Aniline	ND		mg/kg dry	0.887	1.77	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:30 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
92-87-5	Benzidine	ND		mg/kg dry	0.887	1.77	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
56-55-3	Benzo(a)anthracene	0.556		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.443	0.885	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
86-74-8	Carbazole	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
218-01-9	Chrysene	0.850		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:30 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
206-44-0	Fluoranthene	0.404	J	mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
86-73-7	Fluorene	0.499		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
78-59-1	Isophorone	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
91-20-3	Naphthalene	0.687		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
85-01-8	Phenanthrene	1.02		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
108-95-2	Phenol	ND		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
129-00-0	Pyrene	0.598		mg/kg dry	0.222	0.443	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR
110-86-1	Pyridine	ND		mg/kg dry	0.887	1.77	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/03/2018 12:50	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	52.4 %	20-108
4165-62-2	Surrogate: Phenol-d5	48.0 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	122 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	73.6 %	21-113



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:30 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: 2,4,6-Tribromophenol	87.8 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	81.2 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
309-00-2	Aldrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/31/2018 07:32	08/01/2018 18:52	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
57-74-9	Chlordane, total	ND		ug/kg dry	34.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/31/2018 07:32	08/01/2018 18:52	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
72-20-8	Endrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/31/2018 07:32	08/01/2018 18:52	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:30 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.73	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
8001-35-2	Toxaphene	ND		ug/kg dry	88.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 18:52	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	64.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	49.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:52	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:52	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:52	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:52	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:52	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:52	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/31/2018 07:32	08/01/2018 05:52	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	07/31/2018 07:32	08/01/2018 05:52	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	63.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	67.7 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3660		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-36-0	Antimony	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:30 pm	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-39-3	Barium	29.7		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-70-2	Calcium	1170		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-47-3	Chromium	9.31		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-48-4	Cobalt	8.01		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-50-8	Copper	22.0		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7439-89-6	Iron	12400	B	mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7439-92-1	Lead	2.58		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7439-95-4	Magnesium	1210		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7439-96-5	Manganese	287		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-02-0	Nickel	13.9		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-09-7	Potassium	595		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-22-4	Silver	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-23-5	Sodium	117		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-62-2	Vanadium	16.8		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML
7440-66-6	Zinc	16.7		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 15:53	KML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-1 (23-25)

York Sample ID: 18G1213-02

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:30 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0319	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 11:17	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	430	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.2		%	0.100	1	SM 2540G Certifications: CTDOH	08/02/2018 23:25	08/03/2018 03:59	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.531	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/01/2018 17:46	08/02/2018 17:53	TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.93	HT-01	pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP	08/03/2018 11:44	08/03/2018 16:21	TJD

Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 17:03	08/01/2018 17:03	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 17:03	08/01/2018 17:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 17:03	08/01/2018 17:03	LL



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-09-2	Methylene chloride	0.0067	J	mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
103-65-1	n-Propylbenzene	0.0030	J	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH	08/01/2018 17:03	08/01/2018 17:03	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:03	08/01/2018 17:03	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 17:03	08/01/2018 17:03	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	115 %	77-125								
2037-26-5	Surrogate: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	126 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
62-53-3	Aniline	ND		mg/kg dry	0.217	0.434	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
92-87-5	Benzidine	ND		mg/kg dry	0.217	0.434	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.108	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
108-95-2	Phenol	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0543	0.108	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW
110-86-1	Pyridine	ND		mg/kg dry	0.217	0.434	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 17:32	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	51.6 %	20-108
4165-62-2	Surrogate: Phenol-d5	44.7 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	57.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	54.9 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	99.3 %	19-110



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 10:00 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: Terphenyl-d14	66.6 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
309-00-2	Aldrin	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
319-84-6	alpha-BHC	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 16:28	SA
319-85-7	beta-BHC	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
57-74-9	Chlordane, total	ND		ug/kg dry	42.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
319-86-8	delta-BHC	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
60-57-1	Dieldrin	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
959-98-8	Endosulfan I	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 16:28	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
72-20-8	Endrin	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 16:28	SA
76-44-8	Heptachlor	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	10.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
8001-35-2	Toxaphene	ND		ug/kg dry	108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:28	SA
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	75.0 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	82.4 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:28	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:28	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:28	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:28	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:28	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:28	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:28	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 15:28	LAB
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	64.0 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	53.0 %			30-140					

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	16400		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-36-0	Antimony	ND		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-38-2	Arsenic	4.89		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML



Sample Information

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	123		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-41-7	Beryllium	0.608		mg/kg dry	0.130	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.390	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-70-2	Calcium	1790		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-47-3	Chromium	20.4		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-48-4	Cobalt	7.85		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-50-8	Copper	8.82		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7439-89-6	Iron	16400	B	mg/kg dry	2.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7439-92-1	Lead	24.8		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7439-95-4	Magnesium	2140		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7439-96-5	Manganese	961		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-02-0	Nickel	14.5		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-09-7	Potassium	496		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7782-49-2	Selenium	ND		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-22-4	Silver	ND		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-23-5	Sodium	176		mg/kg dry	13.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-28-0	Thallium	ND		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-62-2	Vanadium	28.0		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML
7440-66-6	Zinc	26.7		mg/kg dry	1.95	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:00	KML

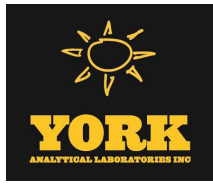
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

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

Client Sample ID: SB-2 (0-2)

York Sample ID: 18G1213-03

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:00 am	<u>Date Received</u> 07/27/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0390	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 11:26	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	430	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	76.9		%	0.100	1	SM 2540G Certifications: CTDOH	08/02/2018 23:25	08/03/2018 03:59	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.650	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/01/2018 17:46	08/02/2018 17:53	TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.69	HT-01	pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP	08/03/2018 11:44	08/03/2018 16:21	TJD

Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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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		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 17:34	08/01/2018 17:34	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 17:34	08/01/2018 17:34	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 17:34	08/01/2018 17:34	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 10:15 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
67-64-1	Acetone	0.019		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 10:15 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 17:34	08/01/2018 17:34	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH	08/01/2018 17:34	08/01/2018 17:34	LL



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 10:15 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Trichloroethylene, Trichlorofluoromethane, Vinyl acetate, Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol.



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
62-53-3	Aniline	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 10:15 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
92-87-5	Benzidine	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
108-95-2	Phenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
110-86-1	Pyridine	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:02	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	45.8 %	20-108								
4165-62-2	Surrogate: Phenol-d5	39.3 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	52.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.2 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.0 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	75.9 %	24-116								



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
309-00-2	Aldrin	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 16:43	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
57-74-9	Chlordane, total	ND		ug/kg dry	38.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 16:43	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
72-20-8	Endrin	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 16:43	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.51	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA
8001-35-2	Toxaphene	ND		ug/kg dry	96.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:43	SA

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 Surrogate: Decachlorobiphenyl	79.6 %	30-150



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	87.6 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:53	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:53	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:53	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:53	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:53	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:53	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 15:53	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 15:53	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	59.0 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3240		mg/kg dry	5.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-36-0	Antimony	ND		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-39-3	Barium	30.2		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.116	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.347	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	833		mg/kg dry	5.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-47-3	Chromium	8.56		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-48-4	Cobalt	4.46		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-50-8	Copper	10.1		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7439-89-6	Iron	6380	B	mg/kg dry	2.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7439-92-1	Lead	2.46		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7439-95-4	Magnesium	1110		mg/kg dry	5.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7439-96-5	Manganese	99.6		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-02-0	Nickel	9.15		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-09-7	Potassium	616		mg/kg dry	5.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7782-49-2	Selenium	ND		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-22-4	Silver	ND		mg/kg dry	0.579	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-23-5	Sodium	213		mg/kg dry	11.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-28-0	Thallium	ND		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-62-2	Vanadium	11.8		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML
7440-66-6	Zinc	14.2		mg/kg dry	1.74	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:02	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0347	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 11:35	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-2 (23-25)

York Sample ID: 18G1213-04

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:15 am	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* ORP (Oxidation-Reduction Potential) (Ag/AgCl)		440	HT-01	mV	-200	1	ASTM 1498-08 M	08/03/2018 11:41	08/03/2018 16:18	TJD
Certifications:										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.4		%	0.100	1	SM 2540G	08/02/2018 23:25	08/03/2018 03:59	AA
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.579	1	EPA 7196A	08/01/2018 17:46	08/02/2018 17:53	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.20	HT-01	pH units	0.500	1	EPA 9045D	08/03/2018 11:44	08/03/2018 16:21	TJD
Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP										

Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 18:05	08/01/2018 18:05	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 18:05	08/01/2018 18:05	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 18:05	08/01/2018 18:05	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 18:05	08/01/2018 18:05	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 18:05	08/01/2018 18:05	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 18:05	08/01/2018 18:05	LL
78-93-3	2-Butanone	0.0061		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
67-64-1	Acetone	0.034		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
75-15-0	Carbon disulfide	0.0048		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 10:30 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like Hexachlorobutadiene, Isopropylbenzene, Methyl acetate, etc.



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:05	08/01/2018 18:05	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 18:05	08/01/2018 18:05	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: Toluene-d8	98.7 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	86.7 %			76-130						

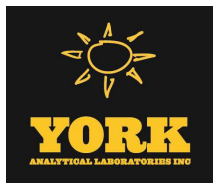
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
92-87-5	Benzdine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 18:33	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	46.4 %	20-108
4165-62-2	Surrogate: Phenol-d5	45.9 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	85.4 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	63.7 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	115 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	90.6 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
309-00-2	Aldrin	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 16:57	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
57-74-9	Chlordane, total	ND		ug/kg dry	36.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 16:57	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
72-20-8	Endrin	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 16:57	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.83	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.13	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA
8001-35-2	Toxaphene	ND		ug/kg dry	92.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:57	SA

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 Surrogate: Decachlorobiphenyl	71.6 %	30-150



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	77.0 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:17	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:17	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:17	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:17	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:17	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:17	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:17	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 16:17	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	58.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	54.5 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4960		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-36-0	Antimony	0.629		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-39-3	Barium	44.0		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.334	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	1090		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-47-3	Chromium	15.5		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-48-4	Cobalt	7.12		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-50-8	Copper	15.9		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7439-89-6	Iron	13400	B	mg/kg dry	2.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7439-92-1	Lead	5.58		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7439-95-4	Magnesium	1660		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7439-96-5	Manganese	375		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-02-0	Nickel	15.1		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-09-7	Potassium	945		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-22-4	Silver	ND		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-23-5	Sodium	166		mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-62-2	Vanadium	19.8		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML
7440-66-6	Zinc	20.3		mg/kg dry	1.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:03	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

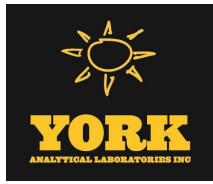
Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 12:03	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-2 (19-19.5)

York Sample ID: 18G1213-05

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:30 am	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* ORP (Oxidation-Reduction Potential) (Ag/AgCl)		450	HT-01	mV	-200	1	ASTM 1498-08 M	08/03/2018 11:41	08/03/2018 16:18	TJD
Certifications:										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.9		%	0.100	1	SM 2540G	08/02/2018 23:25	08/03/2018 03:59	AA
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.556	1	EPA 7196A	08/01/2018 17:46	08/02/2018 17:53	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.16	HT-01	pH units	0.500	1	EPA 9045D	08/03/2018 11:44	08/03/2018 16:21	TJD
Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP										

Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:00 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	08/01/2018 18:36	08/01/2018 18:36	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	08/01/2018 18:36	08/01/2018 18:36	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	08/01/2018 18:36	08/01/2018 18:36	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C	08/01/2018 18:36	08/01/2018 18:36	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 18:36	08/01/2018 18:36	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 18:36	08/01/2018 18:36	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
67-64-1	Acetone	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH	08/01/2018 18:36	08/01/2018 18:36	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 18:36	08/01/2018 18:36	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 18:36	08/01/2018 18:36	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %			77-125						
2037-26-5	Surrogate: Toluene-d8	97.9 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:00 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
208-96-8	Acenaphthylene	0.0606	J	mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
62-53-3	Aniline	ND		mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
92-87-5	Benzidine	ND		mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	0.166		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
50-32-8	Benzo(a)pyrene	0.158		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
205-99-2	Benzo(b)fluoranthene	0.117		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
191-24-2	Benzo(g,h,i)perylene	0.129		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
207-08-9	Benzo(k)fluoranthene	0.141		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0971	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
218-01-9	Chrysene	0.157		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
206-44-0	Fluoranthene	0.290		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.137		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
108-95-2	Phenol	ND		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
129-00-0	Pyrene	0.241		mg/kg dry	0.0487	0.0971	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW
110-86-1	Pyridine	ND		mg/kg dry	0.194	0.389	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:05	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	45.2 %	20-108
4165-62-2	Surrogate: Phenol-d5	44.6 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	47.5 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	57.5 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	102 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	89.1 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:00 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
309-00-2	Aldrin	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:12	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
57-74-9	Chlordane, total	ND		ug/kg dry	38.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 17:12	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
72-20-8	Endrin	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:12	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.93	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.63	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
8001-35-2	Toxaphene	ND		ug/kg dry	97.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:12	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %	30-150							



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:00 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:41	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:41	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:41	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:41	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:41	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:41	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 16:41	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0194	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 16:41	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	61.0 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	46.5 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11100		mg/kg dry	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-36-0	Antimony	ND		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-38-2	Arsenic	3.30		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-39-3	Barium	80.0		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-41-7	Beryllium	0.166		mg/kg dry	0.117	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.351	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:00 pm	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	5440		mg/kg dry	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-47-3	Chromium	18.7		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-48-4	Cobalt	7.29		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-50-8	Copper	14.8		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7439-89-6	Iron	17400	B	mg/kg dry	2.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7439-92-1	Lead	96.8		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7439-95-4	Magnesium	2120		mg/kg dry	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7439-96-5	Manganese	366		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-02-0	Nickel	13.3		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-09-7	Potassium	658		mg/kg dry	5.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7782-49-2	Selenium	ND		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-22-4	Silver	ND		mg/kg dry	0.584	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-23-5	Sodium	168		mg/kg dry	11.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-28-0	Thallium	ND		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-62-2	Vanadium	25.8		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML
7440-66-6	Zinc	66.1		mg/kg dry	1.75	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:05	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0977		mg/kg dry	0.0351	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 12:11	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-3 (0-2)

York Sample ID: 18G1213-06

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:00 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* ORP (Oxidation-Reduction Potential) (Ag/AgCl)		380	HT-01	mV	-200	1	ASTM 1498-08 M	08/03/2018 11:41	08/03/2018 16:18	TJD

Certifications:

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.6		%	0.100	1	SM 2540G	08/02/2018 23:25	08/03/2018 03:59	AA

Certifications: CTDOH

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.584	1	EPA 7196A	08/01/2018 17:46	08/02/2018 17:53	TJD

Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	8.08	HT-01	pH units	0.500	1	EPA 9045D	08/03/2018 11:44	08/03/2018 16:21	TJD

Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP

Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 19:06	08/01/2018 19:06	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 19:06	08/01/2018 19:06	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 19:06	08/01/2018 19:06	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	08/01/2018 19:06	08/01/2018 19:06	LL

Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 19:06	08/01/2018 19:06	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 19:06	08/01/2018 19:06	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
67-64-1	Acetone	0.0085	J	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH	08/01/2018 19:06	08/01/2018 19:06	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:06	08/01/2018 19:06	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 19:06	08/01/2018 19:06	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: Toluene-d8	99.2 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	110 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
92-87-5	Benzdine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:30 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0903	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
108-95-2	Phenol	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0453	0.0903	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 19:36	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	49.6 %			20-108
4165-62-2	Surrogate: Phenol-d5	55.2 %			23-114
4165-60-0	Surrogate: Nitrobenzene-d5	83.2 %			22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	75.1 %			21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	114 %	S-08		19-110
1718-51-0	Surrogate: Terphenyl-d14	97.8 %			24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
309-00-2	Aldrin	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:27	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
57-74-9	Chlordane, total	ND		ug/kg dry	35.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 17:27	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
72-20-8	Endrin	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:27	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.95	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
8001-35-2	Toxaphene	ND		ug/kg dry	90.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:27	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %	30-150							



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	78.5 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:05	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:05	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:05	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:05	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:05	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:05	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:05	LAB
1336-36-3	* Total PCBs	0.0246		mg/kg dry	0.0181	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 17:05	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	62.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	50.0 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6140		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-36-0	Antimony	ND		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-39-3	Barium	50.6		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-41-7	Beryllium	0.196		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	1280		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-47-3	Chromium	12.2		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-48-4	Cobalt	7.82		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-50-8	Copper	21.9		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7439-89-6	Iron	19700	B	mg/kg dry	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7439-92-1	Lead	4.02		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7439-95-4	Magnesium	2470		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7439-96-5	Manganese	243		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-02-0	Nickel	18.5		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-09-7	Potassium	561		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-23-5	Sodium	85.0		mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-62-2	Vanadium	14.6		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML
7440-66-6	Zinc	26.0		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:07	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0326	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 12:20	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-3 (23-25)

York Sample ID: 18G1213-07

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:30 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	400	HT-01	mV	-200	1	ASTM 1498-08 M	08/03/2018 11:41	08/03/2018 16:18	TJD
Certifications:										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.0		%	0.100	1	SM 2540G	08/02/2018 23:25	08/03/2018 03:59	AA
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.543	1	EPA 7196A	08/01/2018 17:46	08/02/2018 17:53	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	7.89	HT-01	pH units	0.500	1	EPA 9045D	08/03/2018 11:44	08/03/2018 16:21	TJD
Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP										

Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	08/01/2018 19:37	08/01/2018 19:37	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	08/01/2018 19:37	08/01/2018 19:37	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C	08/01/2018 19:37	08/01/2018 19:37	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C	08/01/2018 19:37	08/01/2018 19:37	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:45 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 19:37	08/01/2018 19:37	LL
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 19:37	08/01/2018 19:37	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
95-49-8	2-Chlorotoluene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
106-43-4	4-Chlorotoluene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
108-86-1	Bromobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:45 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
127-18-4	Tetrachloroethylene	0.0070		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH	08/01/2018 19:37	08/01/2018 19:37	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 19:37	08/01/2018 19:37	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 19:37	08/01/2018 19:37	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	154 %	S-08		76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
208-96-8	Acenaphthylene	0.118		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
120-12-7	Anthracene	0.0638	J	mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:45 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	0.0525	J	mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
218-01-9	Chrysene	0.0548	J	mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
206-44-0	Fluoranthene	0.0645	J	mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 1:45 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
85-01-8	Phenanthrene	0.0548	J	mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
108-95-2	Phenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:08	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	63.4 %			20-108
4165-62-2	Surrogate: Phenol-d5	58.8 %			23-114
4165-60-0	Surrogate: Nitrobenzene-d5	70.2 %			22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	69.0 %			21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	121 %	S-08		19-110
1718-51-0	Surrogate: Terphenyl-d14	94.2 %			24-116

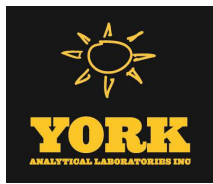
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
309-00-2	Aldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:42	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
57-74-9	Chlordane, total	ND		ug/kg dry	37.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 17:42	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
72-20-8	Endrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:42	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.26	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
8001-35-2	Toxaphene	ND		ug/kg dry	93.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:42	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	49.2 %	30-150							



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	66.3 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:29	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:29	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:29	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:29	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:29	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:29	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:29	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 17:29	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	58.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	44.5 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7130		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-36-0	Antimony	0.597		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-39-3	Barium	62.7		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	14300		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-47-3	Chromium	11.9		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-48-4	Cobalt	5.26		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-50-8	Copper	33.0		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7439-89-6	Iron	11400	B	mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7439-92-1	Lead	211		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7439-95-4	Magnesium	5080		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7439-96-5	Manganese	224		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-02-0	Nickel	11.5		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-09-7	Potassium	630		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7782-49-2	Selenium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-23-5	Sodium	553		mg/kg dry	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-62-2	Vanadium	18.7		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML
7440-66-6	Zinc	68.6		mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:09	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.181		mg/kg dry	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 12:29	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-3 (7-8)

York Sample ID: 18G1213-08

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:45 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	350	HT-01	mV	-200	1	ASTM 1498-08 M	08/03/2018 11:41	08/03/2018 16:18	TJD
Certifications:										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.9		%	0.100	1	SM 2540G	08/02/2018 23:25	08/03/2018 03:59	AA
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.563	1	EPA 7196A	08/01/2018 17:46	08/02/2018 17:53	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	8.55	HT-01	pH units	0.500	1	EPA 9045D	08/03/2018 11:44	08/03/2018 16:21	TJD
Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP										

Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:30 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/01/2018 20:08	08/01/2018 20:08	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/01/2018 20:08	08/01/2018 20:08	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/01/2018 20:08	08/01/2018 20:08	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP											
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C	08/01/2018 20:08	08/01/2018 20:08	LL
Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP											



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 11:30 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 20:08	08/01/2018 20:08	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 20:08	08/01/2018 20:08	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:30 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
67-64-1	Acetone	0.0091	J	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 11:30 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
127-18-4	Tetrachloroethylene	0.0037	J	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH	08/01/2018 20:08	08/01/2018 20:08	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 20:08	08/01/2018 20:08	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 20:08	08/01/2018 20:08	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	126 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW



Sample Information

Client Sample ID: SB-4 (0-2)

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
62-53-3	Aniline	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW



Sample Information

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	0.156		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
50-32-8	Benzo(a)pyrene	0.156		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
205-99-2	Benzo(b)fluoranthene	0.155		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
191-24-2	Benzo(g,h,i)perylene	0.142		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
207-08-9	Benzo(k)fluoranthene	0.151		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
218-01-9	Chrysene	0.154		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
206-44-0	Fluoranthene	0.317		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 20:39	OW



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like Hexachlorobenzene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Surrogate Recoveries.

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes 120 RESEARCH DRIVE, STRATFORD, CT 06615.



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:30 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
50-29-3	4,4'-DDT	3.53		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
309-00-2	Aldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
5103-71-9	alpha-Chlordane	24.9		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/03/2018 13:33	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
57-74-9	Chlordane, total	43.1		ug/kg dry	34.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
60-57-1	Dieldrin	4.51		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/03/2018 13:33	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
5566-34-7	gamma-Chlordane	18.2		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/03/2018 13:33	SA
76-44-8	Heptachlor	3.31		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA
8001-35-2	Toxaphene	ND		ug/kg dry	88.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/03/2018 13:33	SA

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:30 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	46.6 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	23.4 %	GC-SC		30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:53	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:53	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:53	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:53	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:53	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:53	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:53	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 17:53	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	52.5 %		30-140
2051-24-3	Surrogate: Decachlorobiphenyl	43.0 %		30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5340		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-36-0	Antimony	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-38-2	Arsenic	4.27		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-39-3	Barium	42.2		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 11:30 am

07/27/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	0.772		mg/kg dry	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-70-2	Calcium	30300		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-47-3	Chromium	14.8		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-48-4	Cobalt	4.96		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-50-8	Copper	29.6		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7439-89-6	Iron	9920	B	mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7439-92-1	Lead	82.3		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7439-95-4	Magnesium	4130		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7439-96-5	Manganese	192		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-02-0	Nickel	12.9		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-09-7	Potassium	708		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-22-4	Silver	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-23-5	Sodium	141		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-62-2	Vanadium	14.9		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML
7440-66-6	Zinc	74.1		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:11	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.109		mg/kg dry	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 12:38	SY



Sample Information

Client Sample ID: SB-4 (0-2)

York Sample ID: 18G1213-09

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:30 am	<u>Date Received</u> 07/27/2018
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ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	240	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.3		%	0.100	1	SM 2540G Certifications: CTDOH	08/02/2018 23:25	08/03/2018 03:59	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.530	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/01/2018 17:46	08/02/2018 17:53	TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	8.80	HT-01	pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP	08/03/2018 11:44	08/03/2018 16:21	TJD

Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:45 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:45 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 05:01	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 05:01	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 05:01	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 11:45 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
67-64-1	Acetone	0.018		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 11:45 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-09-2	Methylene chloride	0.0057	J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH	08/02/2018 14:00	08/03/2018 05:01	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:45 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:01	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 05:01	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	114 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 11:45 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
62-53-3	Aniline	ND		mg/kg dry	0.180	0.359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 11:45 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:45 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:10	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	49.6 %	20-108
4165-62-2	Surrogate: Phenol-d5	52.9 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	78.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	72.2 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.4 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	79.5 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:45 am	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
309-00-2	Aldrin	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:57	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
57-74-9	Chlordane, total	ND		ug/kg dry	35.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 17:57	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
72-20-8	Endrin	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 17:57	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
8001-35-2	Toxaphene	ND		ug/kg dry	89.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 17:57	SA
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	53.6 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	50.8 %			30-150					



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:45 am	<u>Date Received</u> 07/27/2018
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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:17	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:17	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:17	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:17	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:17	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:17	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:17	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 18:17	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	39.5 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	2810		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-36-0	Antimony	ND		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-39-3	Barium	21.9		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-70-2	Calcium	1320		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-47-3	Chromium	8.85		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-48-4	Cobalt	4.37		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:45 am	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	11.7		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7439-89-6	Iron	8650	B	mg/kg dry	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7439-92-1	Lead	2.49		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7439-95-4	Magnesium	1250		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7439-96-5	Manganese	568		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-02-0	Nickel	15.0		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-09-7	Potassium	549		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-22-4	Silver	ND		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-23-5	Sodium	181		mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-62-2	Vanadium	9.54		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML
7440-66-6	Zinc	13.8		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:13	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 12:47	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	300	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-4 (23-25)

York Sample ID: 18G1213-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18G1213, EE-167, Soil, July 26, 2018 11:45 am, 07/27/2018

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Solids, % Solids, 92.9, %, 0.100, 1, SM 2540G, 08/02/2018 23:25, 08/03/2018 03:59, AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 18540-29-9, Chromium, Hexavalent, ND, mg/kg dry, 0.538, 1, EPA 7196A, 08/01/2018 17:46, 08/02/2018 17:53, TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: pH, 7.74, HT-01, pH units, 0.500, 1, EPA 9045D, 08/03/2018 11:44, 08/03/2018 16:21, TJD

Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18G1213, EE-167, Soil, July 26, 2018 11:55 am, 07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organics, all with ND results.



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 05:31	LL
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 05:31	LL
78-93-3	2-Butanone	0.0026	J	mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
67-64-1	Acetone	0.023		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
100-41-4	Ethyl Benzene	0.0071		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
103-65-1	n-Propylbenzene	0.0036	J	mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH	08/02/2018 14:00	08/03/2018 05:31	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 05:31	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 05:31	LL

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	77-125
2037-26-5	Surrogate: Toluene-d8	102 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	113 %	76-130



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
108-95-2	Phenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 21:41	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	49.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	47.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	63.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	63.2 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	94.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	77.9 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
309-00-2	Aldrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:12	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/kg dry	35.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
319-86-8	delta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 18:12	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
72-20-8	Endrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:12	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
8001-35-2	Toxaphene	ND		ug/kg dry	88.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:12	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	91.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:41	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:41	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:41	LAB



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:41	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:41	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:41	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:41	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 18:41	LAB
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %					30-140			
2051-24-3	Surrogate: Decachlorobiphenyl	59.5 %					30-140			

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4980		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-36-0	Antimony	0.639		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-39-3	Barium	37.3		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.320	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-70-2	Calcium	915		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-47-3	Chromium	13.2		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-48-4	Cobalt	5.85		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-50-8	Copper	13.5		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7439-89-6	Iron	11700	B	mg/kg dry	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7439-92-1	Lead	3.06		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7439-95-4	Magnesium	1730		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:55 am	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	220		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-02-0	Nickel	13.2		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-09-7	Potassium	1090		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-22-4	Silver	ND		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-23-5	Sodium	96.0		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-62-2	Vanadium	16.8		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML
7440-66-6	Zinc	22.1		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:15	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 12:56	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	340	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.8		%	0.100	1	SM 2540G Certifications: CTDOH	08/02/2018 23:25	08/03/2018 03:59	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-4 (19-19.5)

York Sample ID: 18G1213-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18G1213, EE-167, Soil, July 26, 2018 11:55 am, 07/27/2018

Sample Prepared by Method: EPA SW846-3060

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/kg dry, 0.533, 1, EPA 7196A, 08/01/2018 17:46, 08/02/2018 17:53, TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: pH, 7.76, HT-01, pH units, 0.500, 1, EPA 9045D, 08/03/2018 11:44, 08/03/2018 16:21, TJD

Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18G1213, EE-167, Soil, July 26, 2018 5:00 pm, 07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organic compounds like 1,1,1,2-Tetrachloroethane, etc.



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2018 09:00	08/03/2018 15:06	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
67-64-1	Acetone	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH	08/03/2018 09:00	08/03/2018 15:06	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/03/2018 09:00	08/03/2018 15:06	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/03/2018 09:00	08/03/2018 15:06	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %			77-125						
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	116 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
208-96-8	Acenaphthylene	0.0552	J	mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
62-53-3	Aniline	ND		mg/kg dry	0.200	0.401	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.401	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
56-55-3	Benzo(a)anthracene	0.214		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
50-32-8	Benzo(a)pyrene	0.207		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
205-99-2	Benzo(b)fluoranthene	0.195		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
191-24-2	Benzo(g,h,i)perylene	0.148		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
207-08-9	Benzo(k)fluoranthene	0.184		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18G1213

EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
218-01-9	Chrysene	0.194		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
206-44-0	Fluoranthene	0.359		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.146		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 5:00 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
85-01-8	Phenanthrene	0.102		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
108-95-2	Phenol	ND		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
129-00-0	Pyrene	0.339		mg/kg dry	0.0502	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.401	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:12	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	44.6 %			20-108						
4165-62-2	Surrogate: Phenol-d5	46.3 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	68.4 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	56.6 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	102 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	83.8 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
309-00-2	Aldrin	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:27	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
57-74-9	Chlordane, total	ND		ug/kg dry	39.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 18:27	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
72-20-8	Endrin	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:27	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
72-43-5	Methoxychlor	ND		ug/kg dry	9.88	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA
8001-35-2	Toxaphene	ND		ug/kg dry	100	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:27	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	44.6 %		30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	67.6 %		30-150

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:05	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:05	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:05	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:05	LAB



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 5:00 pm	<u>Date Received</u> 07/27/2018
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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:05	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:05	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:05	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 19:05	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	43.5 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11300		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-36-0	Antimony	0.853		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-38-2	Arsenic	4.01		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-39-3	Barium	77.8		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-43-9	Cadmium	0.444		mg/kg dry	0.360	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-70-2	Calcium	11300		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-47-3	Chromium	21.9		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-48-4	Cobalt	9.04		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-50-8	Copper	59.2		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7439-89-6	Iron	20300	B	mg/kg dry	2.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7439-92-1	Lead	238		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7439-95-4	Magnesium	3160		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:00 pm

07/27/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	412		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-02-0	Nickel	16.4		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-09-7	Potassium	860		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7782-49-2	Selenium	ND		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-23-5	Sodium	231		mg/kg dry	12.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-62-2	Vanadium	29.3		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML
7440-66-6	Zinc	162		mg/kg dry	1.80	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:17	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.118		mg/kg dry	0.0360	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 13:05	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	300	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.3		%	0.100	1	SM 2540G Certifications: CTDOH	08/02/2018 23:25	08/03/2018 03:59	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-5 (0-2)

York Sample ID: 18G1213-12

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18G1213, EE-167, Soil, July 26, 2018 5:00 pm, 07/27/2018

Sample Prepared by Method: EPA SW846-3060

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/kg dry, 0.600, 1, EPA 7196A, 08/01/2018 17:46, 08/02/2018 17:53, TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: pH, 8.52, HT-01, pH units, 0.500, 1, EPA 9045D, 08/03/2018 11:44, 08/03/2018 16:21, TJD

Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18G1213, EE-167, Soil, July 26, 2018 5:30 pm, 07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various organic compounds, all with ND results.



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 06:31	LL
78-93-3	2-Butanone	0.0040	J	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
67-64-1	Acetone	0.027		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:30 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH	08/02/2018 14:00	08/03/2018 06:31	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 06:31	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 06:31	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	120 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 5:30 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:30 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 5:30 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 5:30 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0445	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 13:19	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	27.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	30.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	44.8 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	46.1 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	85.3 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	65.0 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
309-00-2	Aldrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:42	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
57-74-9	Chlordane, total	ND		ug/kg dry	35.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:30 pm

07/27/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 18:42	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
72-20-8	Endrin	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:42	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
8001-35-2	Toxaphene	ND		ug/kg dry	88.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:42	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	52.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:29	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:29	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:29	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:29	LAB



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 5:30 pm

07/27/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:29	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:29	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:29	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 19:29	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	42.5 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6310		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-36-0	Antimony	1.28		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-39-3	Barium	54.8		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.320	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-70-2	Calcium	2610		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-47-3	Chromium	21.2		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-48-4	Cobalt	7.21		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-50-8	Copper	21.8		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7439-89-6	Iron	13800	B	mg/kg dry	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7439-92-1	Lead	10.6		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7439-95-4	Magnesium	2470		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7439-96-5	Manganese	273		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML



Sample Information

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 5:30 pm	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	16.2		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-09-7	Potassium	1170		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-22-4	Silver	ND		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-23-5	Sodium	298		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-62-2	Vanadium	18.5		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML
7440-66-6	Zinc	24.9		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:24	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 13:14	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	260	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.9		%	0.100	1	SM 2540G Certifications: CTDOH	08/02/2018 23:25	08/03/2018 03:59	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

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

Client Sample ID: SB-5 (23-25)

York Sample ID: 18G1213-13

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 5:30 pm	<u>Date Received</u> 07/27/2018
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Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.533	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/01/2018 17:46	08/02/2018 17:53	TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	8.88	HT-01	pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP	08/03/2018 11:44	08/03/2018 16:21	TJD

Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:00 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 07:01	LL
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 07:01	LL



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 07:01	LL
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
67-64-1	Acetone	0.032		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH	08/02/2018 14:00	08/03/2018 07:01	LL
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 14:00	08/03/2018 07:01	LL
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 14:00	08/03/2018 07:01	LL

Surrogate Recoveries

	Surrogate	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125
2037-26-5	Surrogate: Toluene-d8	104 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	113 %	76-130

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:00 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:00 pm

07/27/2018

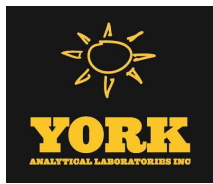
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:00 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0879	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:00 pm	<u>Date Received</u> 07/27/2018
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0441	0.0879	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:05	08/02/2018 22:45	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	38.7 %	20-108
4165-62-2	Surrogate: Phenol-d5	32.5 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	52.3 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	53.7 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	106 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	74.8 %	24-116

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
309-00-2	Aldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:57	SA
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
57-74-9	Chlordane, total	ND		ug/kg dry	34.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Soil

July 26, 2018 6:00 pm

07/27/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
60-57-1	Dieldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	08/01/2018 14:00	08/02/2018 18:57	SA
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	08/01/2018 14:00	08/02/2018 18:57	SA
76-44-8	Heptachlor	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
72-43-5	Methoxychlor	ND		ug/kg dry	8.72	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA
8001-35-2	Toxaphene	ND		ug/kg dry	88.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 18:57	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	59.3 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	71.8 %	30-150

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:53	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:53	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:53	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:53	LAB



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:00 pm	<u>Date Received</u> 07/27/2018
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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:53	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:53	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/01/2018 14:00	08/02/2018 19:53	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	08/01/2018 14:00	08/02/2018 19:53	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	54.5 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6380		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-36-0	Antimony	1.11		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-39-3	Barium	44.3		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.317	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-70-2	Calcium	1700		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-47-3	Chromium	15.2		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-48-4	Cobalt	9.83		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-50-8	Copper	24.9		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7439-89-6	Iron	14000	B	mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7439-92-1	Lead	5.56		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7439-95-4	Magnesium	2500		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7439-96-5	Manganese	359		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML



Sample Information

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:00 pm	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	21.3		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-09-7	Potassium	1230		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-22-4	Silver	ND		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-23-5	Sodium	231		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-62-2	Vanadium	22.3		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML
7440-66-6	Zinc	24.8		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:42	07/31/2018 16:26	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0317	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	07/31/2018 09:40	07/31/2018 13:23	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	230	HT-01	mV	-200	1	ASTM 1498-08 M Certifications:	08/03/2018 11:41	08/03/2018 16:18	TJD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/02/2018 23:25	08/03/2018 03:59	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

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

Client Sample ID: SB-5 (10-15)

York Sample ID: 18G1213-14

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 6:00 pm	<u>Date Received</u> 07/27/2018
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Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.529	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/01/2018 17:46	08/02/2018 17:53	TJD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	8.61	HT-01	pH units	0.500	1	EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP,NJDEP	08/03/2018 11:44	08/03/2018 16:21	TJD

Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 9:00 am	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 16:04	LL
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
95-63-6	1,2,4-Trimethylbenzene	1.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
108-67-8	1,3,5-Trimethylbenzene	1.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
78-93-3	2-Butanone	2.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
67-64-1	Acetone	3.5		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
156-59-2	cis-1,2-Dichloroethylene	6.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
110-82-7	Cyclohexane	4.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
100-41-4	Ethyl Benzene	0.62		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
98-82-8	Isopropylbenzene	4.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
108-87-2	Methylcyclohexane	8.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
103-65-1	n-Propylbenzene	10		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
95-47-6	o-Xylene	0.77		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
179601-23-1	p- & m- Xylenes	0.76	J	ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
99-87-6	p-Isopropyltoluene	0.24	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
135-98-8	sec-Butylbenzene	1.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
98-06-6	tert-Butylbenzene	0.28	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
127-18-4	Tetrachloroethylene	130	QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
108-88-3	Toluene	0.30	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
156-60-5	trans-1,2-Dichloroethylene	1.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 16:04	LL
79-01-6	Trichloroethylene	3.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
108-05-4	Vinyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:04	LL
1330-20-7	Xylenes, Total	1.5		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 16:04	LL
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	86.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	79-122								



Sample Information

Client Sample ID: TW-1

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18G1213

EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
91-57-6	2-Methylnaphthalene	11.4		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

York Project (SDG) No.

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Matrix

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18G1213

EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
83-32-9	Acenaphthene	0.380		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
208-96-8	Acenaphthylene	0.130		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
120-12-7	Anthracene	0.200		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
191-24-2	Benzo(g,h,i)perylene	0.0500		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

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EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
86-73-7	Fluorene	0.660		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
91-20-3	Naphthalene	1.34		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

York Project (SDG) No.

Client Project ID

Matrix

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18G1213

EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
85-01-8	Phenanthrene	0.990		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 17:18	KH
129-00-0	Pyrene	0.290		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 09:46	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	34.9 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	20.4 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	62.4 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	73.9 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	105 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	90.7 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA



Sample Information

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EE-167

Water

July 27, 2018 9:00 am

07/27/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 12:51	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	48.2 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	40.5 %								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 16:52	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 16:52	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 16:52	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 16:52	LAB



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 9:00 am	<u>Date Received</u> 07/27/2018
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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 16:52	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 16:52	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 16:52	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	07/30/2018 07:52	08/01/2018 16:52	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	24.3 %	S-GC	30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	67.9 %		30-120						

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	238		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-39-3	Barium	195		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-70-2	Calcium	116000		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-47-3	Chromium	10.4		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-48-4	Cobalt	14.1		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-50-8	Copper	10.3		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7439-89-6	Iron	5050		ug/L	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7439-92-1	Lead	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7439-95-4	Magnesium	44500		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7439-96-5	Manganese	5410		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-02-0	Nickel	32.2		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-09-7	Potassium	5180	B	ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-22-4	Silver	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 9:00 am	<u>Date Received</u> 07/27/2018
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Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	164000		ug/L	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-62-2	Vanadium	ND		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML
7440-66-6	Zinc	ND		ug/L	16.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:10	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-39-3	Barium	190		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-70-2	Calcium	116000		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-47-3	Chromium	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-48-4	Cobalt	12.9		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-50-8	Copper	6.39		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7439-89-6	Iron	ND		ug/L	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7439-92-1	Lead	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7439-95-4	Magnesium	43200		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7439-96-5	Manganese	5250		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-02-0	Nickel	23.0		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-09-7	Potassium	5600		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-22-4	Silver	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-23-5	Sodium	153000		ug/L	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-62-2	Vanadium	ND		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML
7440-66-6	Zinc	ND		ug/L	16.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:47	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 9:00 am	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:37	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:37	BML
7440-41-7	Beryllium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:37	BML
7440-43-9	Cadmium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:37	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:37	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:37	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:37	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:37	BML
7440-41-7	Beryllium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:37	BML
7440-43-9	Cadmium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:37	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:37	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:37	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:32	07/30/2018 19:37	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 11:07	07/31/2018 11:57	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TW-1

York Sample ID: 18G1213-15

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 9:00 am	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* ORP (Oxidation-Reduction Potential) (Ag/AgCl)		460	HT-01	mV	1.0	1	ASTM 1498-08 M Certifications:	08/03/2018 11:46	08/03/2018 16:17	TJD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/28/2018 08:21	07/28/2018 08:21	AD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* pH		6.86	HT-pH	pH units	0.500	1	SM 4500 H+B Certifications: CTDOH	08/03/2018 11:40	08/03/2018 16:20	TJD

Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical parameters and their results.



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
127-18-4	Tetrachloroethylene	47	QL-02	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 16:34	LL
79-01-6	Trichloroethylene	0.53		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
108-05-4	Vinyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 16:34	LL
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 16:34	LL
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			69-130						



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	88.4 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			79-122						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
83-32-9	Acenaphthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
120-12-7	Anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
1912-24-9	Atrazine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
92-87-5	Benzidine	ND		ug/L	11.1	22.2	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.800		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
218-01-9	Chrysene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
206-44-0	Fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
86-73-7	Fluorene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	0.0222	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

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Water

July 26, 2018 3:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
91-20-3	Naphthalene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
85-01-8	Phenanthrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:07	KH
129-00-0	Pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 10:18	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	43.8 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	22.2 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	69.8 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	74.1 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	106 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	84.8 %			30.7-106						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
309-00-2	Aldrin	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
319-85-7	beta-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
57-74-9	Chlordane, total	ND		ug/L	0.0242	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
319-86-8	delta-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
60-57-1	Dieldrin	ND		ug/L	0.00242	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
959-98-8	Endosulfan I	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
72-20-8	Endrin	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
76-44-8	Heptachlor	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
72-43-5	Methoxychlor	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA
8001-35-2	Toxaphene	ND		ug/L	0.121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 13:06	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	46.8 %			30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	28.7 %	GC-SC		30-150

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

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

Client Sample ID: TW-2

York Sample ID: 18G1213-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 17:16	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 17:16	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 17:16	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 17:16	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 17:16	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 17:16	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	08/01/2018 17:16	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0606	1	EPA 8082A Certifications:	07/30/2018 07:52	08/01/2018 17:16	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.7 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	69.9 %	30-120							

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	104		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-39-3	Barium	179		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-70-2	Calcium	153000		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-47-3	Chromium	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-48-4	Cobalt	23.8		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-50-8	Copper	7.91		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7439-89-6	Iron	2260		ug/L	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7439-92-1	Lead	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7439-95-4	Magnesium	58000		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML



Sample Information

Client Sample ID: TW-2

York Sample ID: 18G1213-16

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Water

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Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	4000		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-02-0	Nickel	47.1		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-09-7	Potassium	7000	B	ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-22-4	Silver	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-23-5	Sodium	396000		ug/L	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-62-2	Vanadium	ND		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML
7440-66-6	Zinc	ND		ug/L	16.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:13	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-39-3	Barium	174		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-70-2	Calcium	152000		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-47-3	Chromium	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-48-4	Cobalt	23.2		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-50-8	Copper	7.53		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7439-89-6	Iron	ND		ug/L	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7439-92-1	Lead	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7439-95-4	Magnesium	58400		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7439-96-5	Manganese	3830		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-02-0	Nickel	40.5		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-09-7	Potassium	7390		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-22-4	Silver	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML



Sample Information

Client Sample ID: TW-2

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Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	368000		ug/L	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-62-2	Vanadium	ND		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML
7440-66-6	Zinc	ND		ug/L	16.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:49	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:42	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:42	BML
7440-41-7	Beryllium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:42	BML
7440-43-9	Cadmium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:42	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:42	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:42	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:41	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:41	BML
7440-41-7	Beryllium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:41	BML
7440-43-9	Cadmium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:41	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:41	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:41	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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

Client Sample ID: TW-2

York Sample ID: 18G1213-16

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/27/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:32	07/30/2018 19:48	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 11:07	07/31/2018 12:05	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	400	HT-01	mV	1.0	1	ASTM 1498-08 M Certifications:	08/03/2018 11:46	08/03/2018 16:17	TJD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/28/2018 08:21	07/28/2018 08:21	AD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* pH	7.88	HT-pH	pH units	0.500	1	SM 4500 H+B Certifications: CTDOH	08/03/2018 11:40	08/03/2018 16:20	TJD

Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 17:03	LL
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
95-63-6	1,2,4-Trimethylbenzene	9.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
108-67-8	1,3,5-Trimethylbenzene	2.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
78-93-3	2-Butanone	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
156-59-2	cis-1,2-Dichloroethylene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
110-82-7	Cyclohexane	0.47	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
100-41-4	Ethyl Benzene	2.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
98-82-8	Isopropylbenzene	0.56		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
108-87-2	Methylcyclohexane	0.59		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
104-51-8	n-Butylbenzene	0.50		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
103-65-1	n-Propylbenzene	1.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
95-47-6	o-Xylene	1.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
179601-23-1	p- & m- Xylenes	8.3		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
99-87-6	p-Isopropyltoluene	0.21	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
135-98-8	sec-Butylbenzene	0.31	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
127-18-4	Tetrachloroethylene	170		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 13:16	LL
108-88-3	Toluene	0.65		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 17:03	LL



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	1.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
108-05-4	Vinyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/02/2018 06:00	08/02/2018 17:03	LL
1330-20-7	Xylenes, Total	10		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/02/2018 06:00	08/02/2018 17:03	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: Toluene-d8	87.4 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			79-122						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH



Sample Information

Client Sample ID: TW-3

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Water

July 26, 2018 3:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
83-32-9	Acenaphthene	0.0914		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
120-12-7	Anthracene	0.0686		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW



Sample Information

Client Sample ID: TW-3

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18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
92-87-5	Benzidine	ND		ug/L	11.4	22.9	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
56-55-3	Benzo(a)anthracene	0.0571		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
191-24-2	Benzo(g,h,i)perylene	0.0571		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
218-01-9	Chrysene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH



Sample Information

Client Sample ID: TW-3

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EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
206-44-0	Fluoranthene	0.114		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
86-73-7	Fluorene	0.137		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	0.0229	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
67-72-1	Hexachloroethane	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
91-20-3	Naphthalene	1.06		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
98-95-3	Nitrobenzene	ND		ug/L	0.286	0.286	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.286	0.286	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
85-01-8	Phenanthrene	0.331		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/02/2018 18:57	KH
129-00-0	Pyrene	0.114		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:26	08/06/2018 14:24	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	40.4 %	19.7-63.1
4165-62-2	Surrogate: Phenol-d5	22.7 %	10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	68.0 %	50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	70.4 %	39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	103 %	39.3-151
1718-51-0	Surrogate: Terphenyl-d14	91.1 %	30.7-106



Sample Information

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Water

July 26, 2018 3:00 pm

07/27/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 01:33	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	49.5 %	30-150							



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	54.1 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 18:49	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 18:49	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 18:49	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 18:49	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 18:49	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 18:49	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 07:52	07/31/2018 18:49	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	07/30/2018 07:52	07/31/2018 18:49	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	56.4 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	65.6 %	30-120

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	107		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-39-3	Barium	131		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-70-2	Calcium	121000		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-47-3	Chromium	6.02		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-48-4	Cobalt	70.2		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-50-8	Copper	7.19		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	5590		ug/L	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7439-92-1	Lead	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7439-95-4	Magnesium	47300		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7439-96-5	Manganese	4420		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-02-0	Nickel	57.2		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-09-7	Potassium	6590	B	ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-22-4	Silver	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-23-5	Sodium	174000		ug/L	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-62-2	Vanadium	ND		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML
7440-66-6	Zinc	ND		ug/L	16.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:01	08/02/2018 18:15	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-39-3	Barium	125		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-70-2	Calcium	124000		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-47-3	Chromium	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-48-4	Cobalt	72.9		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-50-8	Copper	5.59		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7439-89-6	Iron	284		ug/L	22.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7439-92-1	Lead	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7439-95-4	Magnesium	46700		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7439-96-5	Manganese	4600		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 26, 2018 3:00 pm

07/27/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	55.8		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-09-7	Potassium	7250		ug/L	55.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-22-4	Silver	ND		ug/L	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-23-5	Sodium	170000		ug/L	111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-62-2	Vanadium	ND		ug/L	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML
7440-66-6	Zinc	ND		ug/L	16.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:32	08/01/2018 17:52	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:46	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:46	BML
7440-41-7	Beryllium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:46	BML
7440-43-9	Cadmium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:46	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:46	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/02/2018 10:02	08/03/2018 16:46	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:46	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:46	BML
7440-41-7	Beryllium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:46	BML
7440-43-9	Cadmium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:46	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:46	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/01/2018 11:34	08/03/2018 15:46	BML



Sample Information

Client Sample ID: TW-3

York Sample ID: 18G1213-17

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/27/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 10:32	07/30/2018 19:59	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/31/2018 11:07	07/31/2018 12:41	SY

ORP (Oxidation-Reduction Potential)(Ag/AgCl)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* ORP (Oxidation-Reduction Potential) (Ag/AgCl)	440	HT-01	mV	1.0	1	ASTM 1498-08 M Certifications:	08/03/2018 11:46	08/03/2018 16:17	TJD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/28/2018 08:21	07/28/2018 08:21	AD

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* pH	7.13	HT-pH	pH units	0.500	1	SM 4500 H+B Certifications: CTDOH	08/03/2018 11:40	08/03/2018 16:20	TJD

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18G1213-18

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 12:00 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18G1213-18

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 12:00 pm	<u>Date Received</u> 07/27/2018
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Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 07:00	08/01/2018 14:10	LL
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18G1213-18

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 27, 2018 12:00 pm

07/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18G1213-18

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1213

EE-167

Water

July 27, 2018 12:00 pm

07/27/2018

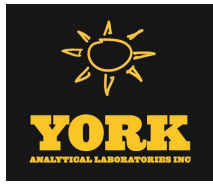
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 07:00	08/01/2018 14:10	LL



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18G1213-18

<u>York Project (SDG) No.</u> 18G1213	<u>Client Project ID</u> EE-167	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 27, 2018 12:00 pm	<u>Date Received</u> 07/27/2018
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Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
108-05-4	Vinyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/01/2018 07:00	08/01/2018 14:10	LL
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/01/2018 07:00	08/01/2018 14:10	LL
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			69-130						
2037-26-5	Surrogate: Toluene-d8	93.8 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			79-122						



Analytical Batch Summary

Batch ID: BG81363 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	07/28/18
18G1213-16	TW-2	07/28/18
18G1213-17	TW-3	07/28/18
BG81363-BLK1	Blank	07/28/18
BG81363-BS1	LCS	07/28/18
BG81363-DUP1	Duplicate	07/28/18

Batch ID: BG81374 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	07/30/18
18G1213-15	TW-1	07/30/18
18G1213-16	TW-2	07/30/18
18G1213-16	TW-2	07/30/18
18G1213-17	TW-3	07/30/18
18G1213-17	TW-3	07/30/18
BG81374-BLK1	Blank	07/30/18
BG81374-BLK2	Blank	07/30/18
BG81374-BS1	LCS	07/30/18
BG81374-BS2	LCS	07/30/18
BG81374-BSD1	LCS Dup	07/30/18
BG81374-BSD2	LCS Dup	07/30/18

Batch ID: BG81384 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	07/30/18
18G1213-16	TW-2	07/30/18
18G1213-17	TW-3	07/30/18
BG81384-BLK1	Blank	07/30/18
BG81384-SRM1	Reference	07/30/18

Batch ID: BG81390 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	07/30/18
18G1213-02	SB-1 (23-25)	07/30/18
18G1213-03	SB-2 (0-2)	07/30/18
18G1213-04	SB-2 (23-25)	07/30/18
18G1213-05	SB-2 (19-19.5)	07/30/18
18G1213-06	SB-3 (0-2)	07/30/18
18G1213-07	SB-3 (23-25)	07/30/18
18G1213-08	SB-3 (7-8)	07/30/18
18G1213-09	SB-4 (0-2)	07/30/18



18G1213-10	SB-4 (23-25)	07/30/18
18G1213-11	SB-4 (19-19.5)	07/30/18
18G1213-12	SB-5 (0-2)	07/30/18
18G1213-13	SB-5 (23-25)	07/30/18
18G1213-14	SB-5 (10-15)	07/30/18
BG81390-BLK1	Blank	07/30/18
BG81390-SRM1	Reference	07/30/18

Batch ID: BG81429 **Preparation Method:** EPA 5035A **Prepared By:** LDS

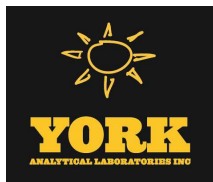
YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	08/01/18
18G1213-02	SB-1 (23-25)	08/01/18
18G1213-03	SB-2 (0-2)	08/01/18
18G1213-04	SB-2 (23-25)	08/01/18
18G1213-05	SB-2 (19-19.5)	08/01/18
18G1213-06	SB-3 (0-2)	08/01/18
18G1213-07	SB-3 (23-25)	08/01/18
18G1213-08	SB-3 (7-8)	08/01/18
18G1213-09	SB-4 (0-2)	08/01/18
BG81429-BLK1	Blank	08/01/18
BG81429-BS1	LCS	08/01/18
BG81429-BSD1	LCS Dup	08/01/18

Batch ID: BG81443 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	07/31/18
18G1213-01	SB-1 (0-2)	07/31/18
18G1213-02	SB-1 (23-25)	07/31/18
18G1213-02	SB-1 (23-25)	07/31/18
BG81443-BLK1	Blank	07/31/18
BG81443-BLK2	Blank	07/31/18
BG81443-BS1	LCS	07/31/18
BG81443-BS2	LCS	07/31/18

Batch ID: BG81453 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	07/31/18
18G1213-02	SB-1 (23-25)	07/31/18
18G1213-03	SB-2 (0-2)	07/31/18
18G1213-04	SB-2 (23-25)	07/31/18
18G1213-05	SB-2 (19-19.5)	07/31/18
18G1213-06	SB-3 (0-2)	07/31/18
18G1213-07	SB-3 (23-25)	07/31/18
18G1213-08	SB-3 (7-8)	07/31/18
18G1213-09	SB-4 (0-2)	07/31/18
18G1213-10	SB-4 (23-25)	07/31/18
18G1213-11	SB-4 (19-19.5)	07/31/18



18G1213-12	SB-5 (0-2)	07/31/18
18G1213-13	SB-5 (23-25)	07/31/18
18G1213-14	SB-5 (10-15)	07/31/18
BG81453-BLK1	Blank	07/31/18
BG81453-SRM1	Reference	07/31/18

Batch ID: BG81465 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	07/31/18
18G1213-16	TW-2	07/31/18
18G1213-17	TW-3	07/31/18
BG81465-BLK1	Blank	07/31/18
BG81465-SRM1	Reference	07/31/18

Batch ID: BG81503 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-17RE1	TW-3	08/01/18
18G1213-18	Trip Blank	08/01/18

Batch ID: BH80023 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/01/18
18G1213-16	TW-2	08/01/18
18G1213-17	TW-3	08/01/18
BH80023-BLK1	Blank	08/01/18
BH80023-BLK2	Blank	08/01/18
BH80023-BS1	LCS	08/01/18
BH80023-BS2	LCS	08/01/18
BH80023-BSD1	LCS Dup	08/01/18

Batch ID: BH80027 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/01/18
18G1213-16	TW-2	08/01/18
18G1213-17	TW-3	08/01/18
BH80027-BLK1	Blank	08/01/18
BH80027-BS1	LCS	08/01/18
BH80027-DUP1	Duplicate	08/01/18
BH80027-MS1	Matrix Spike	08/01/18

Batch ID: BH80029 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/01/18



18G1213-16	TW-2	08/01/18
18G1213-17	TW-3	08/01/18
BH80029-BLK1	Blank	08/01/18
BH80029-BS1	LCS	08/01/18
BH80029-DUP1	Duplicate	08/01/18
BH80029-MS1	Matrix Spike	08/01/18

Batch ID: BH80044 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	08/01/18
18G1213-02	SB-1 (23-25)	08/01/18
18G1213-03	SB-2 (0-2)	08/01/18
18G1213-04	SB-2 (23-25)	08/01/18
18G1213-05	SB-2 (19-19.5)	08/01/18
18G1213-06	SB-3 (0-2)	08/01/18
18G1213-07	SB-3 (23-25)	08/01/18
18G1213-08	SB-3 (7-8)	08/01/18
18G1213-09	SB-4 (0-2)	08/01/18
18G1213-10	SB-4 (23-25)	08/01/18
18G1213-11	SB-4 (19-19.5)	08/01/18
18G1213-12	SB-5 (0-2)	08/01/18
18G1213-13	SB-5 (23-25)	08/01/18
18G1213-14	SB-5 (10-15)	08/01/18
BH80044-BLK1	Blank	08/01/18
BH80044-BS1	LCS	08/01/18
BH80044-MS1	Matrix Spike	08/01/18
BH80044-MSD1	Matrix Spike Dup	08/01/18

Batch ID: BH80046 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-03	SB-2 (0-2)	08/01/18
18G1213-03	SB-2 (0-2)	08/01/18
18G1213-04	SB-2 (23-25)	08/01/18
18G1213-04	SB-2 (23-25)	08/01/18
18G1213-05	SB-2 (19-19.5)	08/01/18
18G1213-05	SB-2 (19-19.5)	08/01/18
18G1213-06	SB-3 (0-2)	08/01/18
18G1213-06	SB-3 (0-2)	08/01/18
18G1213-07	SB-3 (23-25)	08/01/18
18G1213-07	SB-3 (23-25)	08/01/18
18G1213-08	SB-3 (7-8)	08/01/18
18G1213-08	SB-3 (7-8)	08/01/18
18G1213-09	SB-4 (0-2)	08/01/18
18G1213-09	SB-4 (0-2)	08/01/18
18G1213-10	SB-4 (23-25)	08/01/18
18G1213-10	SB-4 (23-25)	08/01/18
18G1213-11	SB-4 (19-19.5)	08/01/18
18G1213-11	SB-4 (19-19.5)	08/01/18
18G1213-12	SB-5 (0-2)	08/01/18



18G1213-12	SB-5 (0-2)	08/01/18
18G1213-13	SB-5 (23-25)	08/01/18
18G1213-13	SB-5 (23-25)	08/01/18
18G1213-14	SB-5 (10-15)	08/01/18
18G1213-14	SB-5 (10-15)	08/01/18
BH80046-BLK1	Blank	08/01/18
BH80046-BLK2	Blank	08/01/18
BH80046-BS1	LCS	08/01/18
BH80046-BS2	LCS	08/01/18

Batch ID: BH80061 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/02/18
18G1213-16	TW-2	08/02/18
18G1213-17	TW-3	08/02/18
BH80061-BLK1	Blank	08/02/18
BH80061-BS1	LCS	08/02/18
BH80061-BSD1	LCS Dup	08/02/18

Batch ID: BH80064 **Preparation Method:** EPA 5035A **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-10	SB-4 (23-25)	08/02/18
18G1213-11	SB-4 (19-19.5)	08/02/18
18G1213-13	SB-5 (23-25)	08/02/18
18G1213-14	SB-5 (10-15)	08/02/18
BH80064-BLK1	Blank	08/02/18
BH80064-BS1	LCS	08/02/18
BH80064-BSD1	LCS Dup	08/02/18

Batch ID: BH80067 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	08/01/18
18G1213-02	SB-1 (23-25)	08/01/18
18G1213-03	SB-2 (0-2)	08/01/18
18G1213-04	SB-2 (23-25)	08/01/18
18G1213-05	SB-2 (19-19.5)	08/01/18
18G1213-06	SB-3 (0-2)	08/01/18
18G1213-07	SB-3 (23-25)	08/01/18
18G1213-08	SB-3 (7-8)	08/01/18
18G1213-09	SB-4 (0-2)	08/01/18
18G1213-10	SB-4 (23-25)	08/01/18
18G1213-11	SB-4 (19-19.5)	08/01/18
18G1213-12	SB-5 (0-2)	08/01/18
18G1213-13	SB-5 (23-25)	08/01/18
18G1213-14	SB-5 (10-15)	08/01/18
BH80067-BLK1	Blank	08/01/18
BH80067-SRM1	Reference	08/01/18



Batch ID: BH80108

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/02/18
18G1213-16	TW-2	08/02/18
18G1213-17	TW-3	08/02/18
BH80108-BLK1	Blank	08/02/18
BH80108-BS1	LCS	08/02/18
BH80108-DUP1	Duplicate	08/02/18
BH80108-MS1	Matrix Spike	08/02/18

Batch ID: BH80109

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/02/18
18G1213-16	TW-2	08/02/18
18G1213-17	TW-3	08/02/18
BH80109-BLK1	Blank	08/02/18
BH80109-BS1	LCS	08/02/18
BH80109-DUP1	Duplicate	08/02/18
BH80109-MS1	Matrix Spike	08/02/18

Batch ID: BH80148

Preparation Method: % Solids Prep

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	08/02/18
18G1213-02	SB-1 (23-25)	08/02/18
18G1213-03	SB-2 (0-2)	08/02/18
18G1213-04	SB-2 (23-25)	08/02/18
18G1213-05	SB-2 (19-19.5)	08/02/18
18G1213-06	SB-3 (0-2)	08/02/18
18G1213-07	SB-3 (23-25)	08/02/18
18G1213-08	SB-3 (7-8)	08/02/18
18G1213-09	SB-4 (0-2)	08/02/18
18G1213-10	SB-4 (23-25)	08/02/18
18G1213-11	SB-4 (19-19.5)	08/02/18
18G1213-12	SB-5 (0-2)	08/02/18
18G1213-13	SB-5 (23-25)	08/02/18
18G1213-14	SB-5 (10-15)	08/02/18
BH80148-DUP1	Duplicate	08/02/18

Batch ID: BH80174

Preparation Method: Analysis Preparation

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/03/18
18G1213-16	TW-2	08/03/18
18G1213-17	TW-3	08/03/18



Batch ID: BH80176

Preparation Method: Analysis Preparation

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	08/03/18
18G1213-02	SB-1 (23-25)	08/03/18
18G1213-03	SB-2 (0-2)	08/03/18
18G1213-04	SB-2 (23-25)	08/03/18
18G1213-05	SB-2 (19-19.5)	08/03/18
18G1213-06	SB-3 (0-2)	08/03/18
18G1213-07	SB-3 (23-25)	08/03/18
18G1213-08	SB-3 (7-8)	08/03/18
18G1213-09	SB-4 (0-2)	08/03/18
18G1213-10	SB-4 (23-25)	08/03/18
18G1213-11	SB-4 (19-19.5)	08/03/18
18G1213-12	SB-5 (0-2)	08/03/18
18G1213-13	SB-5 (23-25)	08/03/18
18G1213-14	SB-5 (10-15)	08/03/18
BH80176-DUP1	Duplicate	08/03/18

Batch ID: BH80177

Preparation Method: Analysis Preparation

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-01	SB-1 (0-2)	08/03/18
18G1213-02	SB-1 (23-25)	08/03/18
18G1213-03	SB-2 (0-2)	08/03/18
18G1213-04	SB-2 (23-25)	08/03/18
18G1213-05	SB-2 (19-19.5)	08/03/18
18G1213-06	SB-3 (0-2)	08/03/18
18G1213-07	SB-3 (23-25)	08/03/18
18G1213-08	SB-3 (7-8)	08/03/18
18G1213-09	SB-4 (0-2)	08/03/18
18G1213-10	SB-4 (23-25)	08/03/18
18G1213-11	SB-4 (19-19.5)	08/03/18
18G1213-12	SB-5 (0-2)	08/03/18
18G1213-13	SB-5 (23-25)	08/03/18
18G1213-14	SB-5 (10-15)	08/03/18

Batch ID: BH80178

Preparation Method: Analysis Preparation

Prepared By: TJM

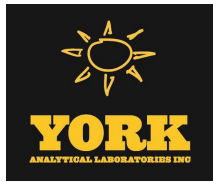
YORK Sample ID	Client Sample ID	Preparation Date
18G1213-15	TW-1	08/03/18
18G1213-16	TW-2	08/03/18
18G1213-17	TW-3	08/03/18
BH80178-DUP1	Duplicate	08/03/18

Batch ID: BH80202

Preparation Method: EPA 5035A

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
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18G1213-02RE1	SB-1 (23-25)	08/02/18
BH80202-BLK1	Blank	08/02/18
BH80202-BS1	LCS	08/02/18
BH80202-BSD1	LCS Dup	08/02/18

Batch ID: BH80205 **Preparation Method:** EPA 5035A **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18G1213-12	SB-5 (0-2)	08/03/18
BH80205-BLK1	Blank	08/03/18
BH80205-BS1	LCS	08/03/18
BH80205-BSD1	LCS Dup	08/03/18



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG81429 - EPA 5035A

Blank (BG81429-BLK1)

Prepared & Analyzed: 08/01/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BG81429 - EPA 5035A

Blank (BG81429-BLK1)

Prepared & Analyzed: 08/01/2018

Hexachlorobutadiene	ND	0.0050	mg/kg wet										
Isopropylbenzene	ND	0.0050	"										
Methyl acetate	ND	0.0050	"										
Methyl tert-butyl ether (MTBE)	ND	0.0050	"										
Methylcyclohexane	ND	0.0050	"										
Methylene chloride	ND	0.010	"										
n-Butylbenzene	ND	0.0050	"										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
trans-1,4-dichloro-2-butene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl acetate	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.6		ug/L	50.0		103		77-125					
<i>Surrogate: Toluene-d8</i>	51.0		"	50.0		102		85-120					
<i>Surrogate: p-Bromofluorobenzene</i>	55.3		"	50.0		111		76-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81429 - EPA 5035A

LCS (BG81429-BS1)

Prepared & Analyzed: 08/01/2018

1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	55		"	50.0		111	71-137				
1,1,2,2-Tetrachloroethane	56		"	50.0		111	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		106	58-146				
1,1,2-Trichloroethane	52		"	50.0		104	83-123				
1,1-Dichloroethane	55		"	50.0		110	75-130				
1,1-Dichloroethylene	55		"	50.0		110	64-137				
1,1-Dichloropropylene	59		"	50.0		118	77-127				
1,2,3-Trichlorobenzene	56		"	50.0		111	81-140				
1,2,3-Trichloropropane	58		"	50.0		115	81-126				
1,2,4-Trichlorobenzene	56		"	50.0		112	80-141				
1,2,4-Trimethylbenzene	55		"	50.0		109	84-125				
1,2-Dibromo-3-chloropropane	61		"	50.0		122	74-142				
1,2-Dibromoethane	54		"	50.0		108	86-123				
1,2-Dichlorobenzene	56		"	50.0		112	85-122				
1,2-Dichloroethane	57		"	50.0		115	71-133				
1,2-Dichloropropane	52		"	50.0		104	81-122				
1,3,5-Trimethylbenzene	55		"	50.0		111	82-126				
1,3-Dichlorobenzene	54		"	50.0		108	84-124				
1,3-Dichloropropane	55		"	50.0		109	83-123				
1,4-Dichlorobenzene	55		"	50.0		110	84-124				
1,4-Dioxane	500		"	1050		47.7	10-228				
2,2-Dichloropropane	54		"	50.0		109	67-136				
2-Butanone	48		"	50.0		96.8	58-147				
2-Chlorotoluene	55		"	50.0		110	78-127				
2-Hexanone	50		"	50.0		101	70-139				
4-Chlorotoluene	54		"	50.0		109	79-125				
4-Methyl-2-pentanone	37		"	50.0		73.8	72-132				
Acetone	33		"	50.0		65.1	36-155				
Acrolein	41		"	50.0		82.3	10-238				
Acrylonitrile	57		"	50.0		114	66-141				
Benzene	58		"	50.0		116	77-127				
Bromobenzene	54		"	50.0		107	77-129				
Bromochloromethane	56		"	50.0		113	74-129				
Bromodichloromethane	53		"	50.0		105	81-124				
Bromoform	54		"	50.0		108	80-136				
Bromomethane	32		"	50.0		64.3	32-177				
Carbon disulfide	65		"	50.0		131	10-136				
Carbon tetrachloride	58		"	50.0		116	66-143				
Chlorobenzene	54		"	50.0		107	86-120				
Chloroethane	33		"	50.0		66.5	51-142				
Chloroform	54		"	50.0		108	76-131				
Chloromethane	47		"	50.0		93.1	49-132				
cis-1,2-Dichloroethylene	58		"	50.0		117	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129				
Cyclohexane	49		"	50.0		97.5	70-130				
Dibromochloromethane	55		"	50.0		109	10-200				
Dibromomethane	52		"	50.0		105	83-124				
Dichlorodifluoromethane	55		"	50.0		109	28-158				
Ethyl Benzene	54		"	50.0		109	84-125				
Hexachlorobutadiene	54		"	50.0		108	83-133				



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
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Batch BG81429 - EPA 5035A

LCS (BG81429-BS1)

Prepared & Analyzed: 08/01/2018

Isopropylbenzene	55		ug/L	50.0		109	81-127				
Methyl acetate	49		"	50.0		97.4	41-143				
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	74-131				
Methylcyclohexane	57		"	50.0		114	70-130				
Methylene chloride	52		"	50.0		105	57-141				
n-Butylbenzene	56		"	50.0		111	80-130				
n-Propylbenzene	54		"	50.0		108	74-136				
o-Xylene	54		"	50.0		108	83-123				
p- & m- Xylenes	110		"	100		110	82-128				
p-Isopropyltoluene	56		"	50.0		112	85-125				
sec-Butylbenzene	57		"	50.0		113	83-125				
Styrene	54		"	50.0		109	86-126				
tert-Butyl alcohol (TBA)	240		"	250		96.8	70-130				
tert-Butylbenzene	41		"	50.0		81.3	80-127				
Tetrachloroethylene	50		"	50.0		99.9	80-129				
Toluene	56		"	50.0		113	85-121				
trans-1,2-Dichloroethylene	59		"	50.0		119	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		106	78-132				
trans-1,4-dichloro-2-butene	60		"	50.0		119	75-135				
Trichloroethylene	55		"	50.0		111	84-123				
Trichlorofluoromethane	41		"	50.0		81.1	62-140				
Vinyl acetate	50		"	50.0		100	67-136				
Vinyl Chloride	42		"	50.0		84.5	52-130				
Surrogate: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: Toluene-d8	48.9		"	50.0		97.9	85-120				
Surrogate: p-Bromofluorobenzene	51.6		"	50.0		103	76-130				

LCS Dup (BG81429-BSD1)

Prepared & Analyzed: 08/01/2018

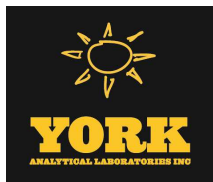
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		104	75-129		3.90	30	
1,1,1-Trichloroethane	53		"	50.0		105	71-137		5.31	30	
1,1,2,2-Tetrachloroethane	51		"	50.0		102	79-129		8.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0		99.4	58-146		6.80	30	
1,1,2-Trichloroethane	50		"	50.0		100	83-123		4.09	30	
1,1-Dichloroethane	53		"	50.0		107	75-130		3.13	30	
1,1-Dichloroethylene	51		"	50.0		103	64-137		7.16	30	
1,1-Dichloropropylene	55		"	50.0		111	77-127		6.92	30	
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140		4.46	30	
1,2,3-Trichloropropane	52		"	50.0		104	81-126		10.2	30	
1,2,4-Trichlorobenzene	54		"	50.0		108	80-141		3.53	30	
1,2,4-Trimethylbenzene	52		"	50.0		104	84-125		5.54	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		105	74-142		15.7	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		2.87	30	
1,2-Dichlorobenzene	53		"	50.0		107	85-122		4.52	30	
1,2-Dichloroethane	54		"	50.0		107	71-133		6.81	30	
1,2-Dichloropropane	51		"	50.0		102	81-122		2.58	30	
1,3,5-Trimethylbenzene	52		"	50.0		104	82-126		6.20	30	
1,3-Dichlorobenzene	52		"	50.0		103	84-124		4.69	30	
1,3-Dichloropropane	52		"	50.0		104	83-123		5.39	30	
1,4-Dichlorobenzene	52		"	50.0		105	84-124		4.42	30	
1,4-Dioxane	490		"	1050		47.0	10-228		1.60	30	
2,2-Dichloropropane	51		"	50.0		102	67-136		5.91	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 BG81429 - EPA 5035A											
LCS Dup (BG81429-BSD1)											
										Prepared & Analyzed: 08/01/2018	
2-Butanone	42		ug/L	50.0		83.9	58-147		14.3	30	
2-Chlorotoluene	51		"	50.0		102	78-127		8.20	30	
2-Hexanone	47		"	50.0		93.0	70-139		8.13	30	
4-Chlorotoluene	51		"	50.0		102	79-125		6.05	30	
4-Methyl-2-pentanone	34		"	50.0		68.5	72-132	Low Bias	7.53	30	
Acetone	33		"	50.0		66.0	36-155		1.50	30	
Acrolein	35		"	50.0		70.3	10-238		15.8	30	
Acrylonitrile	48		"	50.0		96.4	66-141		16.5	30	
Benzene	55		"	50.0		109	77-127		5.81	30	
Bromobenzene	51		"	50.0		102	77-129		5.09	30	
Bromochloromethane	54		"	50.0		107	74-129		4.73	30	
Bromodichloromethane	51		"	50.0		102	81-124		2.96	30	
Bromoform	49		"	50.0		98.8	80-136		8.95	30	
Bromomethane	32		"	50.0		65.0	32-177		0.990	30	
Carbon disulfide	61		"	50.0		123	10-136		6.37	30	
Carbon tetrachloride	54		"	50.0		108	66-143		6.92	30	
Chlorobenzene	52		"	50.0		105	86-120		2.04	30	
Chloroethane	32		"	50.0		64.8	51-142		2.65	30	
Chloroform	52		"	50.0		105	76-131		3.63	30	
Chloromethane	44		"	50.0		88.1	49-132		5.56	30	
cis-1,2-Dichloroethylene	54		"	50.0		108	74-132		7.86	30	
cis-1,3-Dichloropropylene	53		"	50.0		106	81-129		2.25	30	
Cyclohexane	46		"	50.0		91.8	70-130		6.04	30	
Dibromochloromethane	52		"	50.0		104	10-200		4.63	30	
Dibromomethane	51		"	50.0		102	83-124		2.75	30	
Dichlorodifluoromethane	52		"	50.0		104	28-158		5.28	30	
Ethyl Benzene	54		"	50.0		108	84-125		0.665	30	
Hexachlorobutadiene	52		"	50.0		105	83-133		3.31	30	
Isopropylbenzene	51		"	50.0		102	81-127		6.82	30	
Methyl acetate	44		"	50.0		88.1	41-143		10.1	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.7	74-131		7.77	30	
Methylcyclohexane	55		"	50.0		111	70-130		2.67	30	
Methylene chloride	50		"	50.0		100	57-141		4.23	30	
n-Butylbenzene	53		"	50.0		105	80-130		5.62	30	
n-Propylbenzene	51		"	50.0		103	74-136		5.32	30	
o-Xylene	53		"	50.0		107	83-123		1.13	30	
p- & m- Xylenes	110		"	100		109	82-128		1.15	30	
p-Isopropyltoluene	53		"	50.0		106	85-125		5.92	30	
sec-Butylbenzene	52		"	50.0		105	83-125		7.80	30	
Styrene	54		"	50.0		109	86-126		0.129	30	
tert-Butyl alcohol (TBA)	200		"	250		80.2	70-130		18.8	30	
tert-Butylbenzene	38		"	50.0		76.6	80-127	Low Bias	5.98	30	
Tetrachloroethylene	51		"	50.0		101	80-129		1.25	30	
Toluene	55		"	50.0		110	85-121		1.90	30	
trans-1,2-Dichloroethylene	55		"	50.0		110	72-132		8.17	30	
trans-1,3-Dichloropropylene	53		"	50.0		105	78-132		0.834	30	
trans-1,4-dichloro-2-butene	51		"	50.0		102	75-135		14.9	30	
Trichloroethylene	54		"	50.0		108	84-123		2.39	30	
Trichlorofluoromethane	38		"	50.0		75.5	62-140		7.10	30	
Vinyl acetate	47		"	50.0		93.8	67-136		6.66	30	
Vinyl Chloride	39		"	50.0		77.4	52-130		8.80	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BG81429 - EPA 5035A

LCS Dup (BG81429-BSD1)

Prepared & Analyzed: 08/01/2018

Surrogate: 1,2-Dichloroethane-d4	49.5		ug/L	50.0		98.9	77-125						
Surrogate: Toluene-d8	49.8		"	50.0		99.7	85-120						
Surrogate: p-Bromofluorobenzene	49.9		"	50.0		99.8	76-130						

Batch BH80061 - EPA 5030B

Blank (BH80061-BLK1)

Prepared & Analyzed: 08/02/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L										
1,1,1-Trichloroethane	ND	0.50	"										
1,1,2,2-Tetrachloroethane	ND	0.50	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"										
1,1,2-Trichloroethane	ND	0.50	"										
1,1-Dichloroethane	ND	0.50	"										
1,1-Dichloroethylene	ND	0.50	"										
1,1-Dichloropropylene	ND	0.50	"										
1,2,3-Trichlorobenzene	ND	0.50	"										
1,2,3-Trichloropropane	ND	0.50	"										
1,2,4-Trichlorobenzene	ND	0.50	"										
1,2,4-Trimethylbenzene	ND	0.50	"										
1,2-Dibromo-3-chloropropane	ND	0.50	"										
1,2-Dibromoethane	ND	0.50	"										
1,2-Dichlorobenzene	ND	0.50	"										
1,2-Dichloroethane	ND	0.50	"										
1,2-Dichloropropane	ND	0.50	"										
1,3,5-Trimethylbenzene	ND	0.50	"										
1,3-Dichlorobenzene	ND	0.50	"										
1,3-Dichloropropane	ND	0.50	"										
1,4-Dichlorobenzene	ND	0.50	"										
1,4-Dioxane	ND	40	"										
2,2-Dichloropropane	ND	0.50	"										
2-Butanone	ND	0.50	"										
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	"										
Acrolein	ND	0.50	"										
Acrylonitrile	ND	0.50	"										
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	"										



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80061 - EPA 5030B

Blank (BH80061-BLK1)

Prepared & Analyzed: 08/02/2018

cis-1,3-Dichloropropylene	ND	0.50	ug/L								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl acetate	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
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Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	9.02		"	10.0		90.2	81-117				
Surrogate: p-Bromofluorobenzene	10.6		"	10.0		106	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
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Batch BH80061 - EPA 5030B

LCS (BH80061-BS1)

Prepared & Analyzed: 08/02/2018

1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		94.9	82-126				
1,1,1-Trichloroethane	10		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	9.6		"	10.0		96.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		100	54-165				
1,1,2-Trichloroethane	9.2		"	10.0		91.7	82-123				
1,1-Dichloroethane	11		"	10.0		114	82-129				
1,1-Dichloroethylene	10		"	10.0		101	68-138				
1,1-Dichloropropylene	11		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	10		"	10.0		101	76-136				
1,2,3-Trichloropropane	9.6		"	10.0		96.1	77-128				
1,2,4-Trichlorobenzene	9.3		"	10.0		93.2	76-137				
1,2,4-Trimethylbenzene	9.7		"	10.0		97.4	82-132				
1,2-Dibromo-3-chloropropane	8.9		"	10.0		88.9	45-147				
1,2-Dibromoethane	9.5		"	10.0		94.7	83-124				
1,2-Dichlorobenzene	9.2		"	10.0		92.0	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	9.4		"	10.0		94.0	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		100	80-131				
1,3-Dichlorobenzene	9.5		"	10.0		94.9	86-122				
1,3-Dichloropropane	9.4		"	10.0		94.5	81-125				
1,4-Dichlorobenzene	9.4		"	10.0		93.7	85-124				
1,4-Dioxane	58		"	210		27.7	10-349				
2,2-Dichloropropane	4.4		"	10.0		44.4	56-150	Low Bias			
2-Butanone	9.3		"	10.0		93.3	49-152				
2-Chlorotoluene	9.9		"	10.0		99.1	79-130				
2-Hexanone	9.1		"	10.0		91.1	51-146				
4-Chlorotoluene	9.7		"	10.0		96.9	79-128				
4-Methyl-2-pentanone	8.6		"	10.0		86.5	57-145				
Acetone	11		"	10.0		105	14-150				
Acrolein	6.2		"	10.0		61.9	10-153				
Acrylonitrile	11		"	10.0		105	51-150				
Benzene	11		"	10.0		112	85-126				
Bromobenzene	9.9		"	10.0		99.2	78-129				
Bromochloromethane	11		"	10.0		106	77-128				
Bromodichloromethane	8.6		"	10.0		85.6	79-128				
Bromoform	8.1		"	10.0		80.7	78-133				
Bromomethane	6.4		"	10.0		63.8	43-168				
Carbon disulfide	12		"	10.0		117	68-146				
Carbon tetrachloride	10		"	10.0		100	77-141				
Chlorobenzene	9.7		"	10.0		97.4	88-120				
Chloroethane	11		"	10.0		107	65-136				
Chloroform	11		"	10.0		109	82-128				
Chloromethane	8.2		"	10.0		81.7	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	7.5		"	10.0		75.1	80-131	Low Bias			
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	9.0		"	10.0		89.6	80-130				
Dibromomethane	8.9		"	10.0		89.4	72-134				
Dichlorodifluoromethane	9.6		"	10.0		96.0	44-144				
Ethyl Benzene	9.9		"	10.0		98.7	80-131				
Hexachlorobutadiene	12		"	10.0		124	67-146				



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
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Batch BH80061 - EPA 5030B

LCS (BH80061-BS1)

Prepared & Analyzed: 08/02/2018

Isopropylbenzene	10		ug/L	10.0		102	76-140				
Methyl acetate	10		"	10.0		99.8	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	9.1		"	10.0		91.0	72-143				
Methylene chloride	11		"	10.0		114	55-137				
n-Butylbenzene	11		"	10.0		109	79-132				
n-Propylbenzene	10		"	10.0		104	78-133				
o-Xylene	9.9		"	10.0		99.4	78-130				
p- & m- Xylenes	20		"	20.0		97.6	77-133				
p-Isopropyltoluene	11		"	10.0		107	81-136				
sec-Butylbenzene	11		"	10.0		111	79-137				
Styrene	9.7		"	10.0		97.0	67-132				
tert-Butyl alcohol (TBA)	44		"	50.0		87.0	25-162				
tert-Butylbenzene	10		"	10.0		104	77-138				
Tetrachloroethylene	8.4		"	10.0		84.4	82-131				
Toluene	9.2		"	10.0		92.2	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	7.6		"	10.0		75.7	78-131	Low Bias			
trans-1,4-dichloro-2-butene	8.6		"	10.0		86.3	63-141				
Trichloroethylene	9.3		"	10.0		92.6	82-128				
Trichlorofluoromethane	10		"	10.0		99.8	67-139				
Vinyl acetate	9.9		"	10.0		99.3	21-90	High Bias			
Vinyl Chloride	8.6		"	10.0		86.2	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	8.66		"	10.0		86.6	81-117				
Surrogate: p-Bromofluorobenzene	11.1		"	10.0		111	79-122				

LCS Dup (BH80061-BSD1)

Prepared & Analyzed: 08/02/2018

1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		92.6	82-126	2.45	30		
1,1,1-Trichloroethane	9.5		"	10.0		95.0	78-136	8.37	30		
1,1,2,2-Tetrachloroethane	9.0		"	10.0		89.5	76-129	7.53	30		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.1		"	10.0		90.7	54-165	9.75	30		
1,1,2-Trichloroethane	9.0		"	10.0		89.7	82-123	2.21	30		
1,1-Dichloroethane	11		"	10.0		106	82-129	6.45	30		
1,1-Dichloroethylene	9.7		"	10.0		96.6	68-138	4.26	30		
1,1-Dichloropropylene	9.8		"	10.0		98.2	83-133	6.88	30		
1,2,3-Trichlorobenzene	9.9		"	10.0		99.1	76-136	1.80	30		
1,2,3-Trichloropropane	9.0		"	10.0		90.3	77-128	6.22	30		
1,2,4-Trichlorobenzene	9.0		"	10.0		90.5	76-137	2.94	30		
1,2,4-Trimethylbenzene	9.2		"	10.0		92.4	82-132	5.27	30		
1,2-Dibromo-3-chloropropane	8.2		"	10.0		82.4	45-147	7.59	30		
1,2-Dibromoethane	9.4		"	10.0		93.6	83-124	1.17	30		
1,2-Dichlorobenzene	8.8		"	10.0		88.5	79-123	3.88	30		
1,2-Dichloroethane	10		"	10.0		102	73-132	0.490	30		
1,2-Dichloropropane	9.0		"	10.0		90.5	78-126	3.79	30		
1,3,5-Trimethylbenzene	9.4		"	10.0		93.9	80-131	6.59	30		
1,3-Dichlorobenzene	9.0		"	10.0		90.1	86-122	5.19	30		
1,3-Dichloropropane	9.4		"	10.0		93.7	81-125	0.850	30		
1,4-Dichlorobenzene	8.9		"	10.0		89.0	85-124	5.15	30		
1,4-Dioxane	58		"	210		27.4	10-349	0.881	30		
2,2-Dichloropropane	4.1		"	10.0		40.7	56-150	8.70	30	Low Bias	



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 BH80061 - EPA 5030B											
LCS Dup (BH80061-BSD1)											
										Prepared & Analyzed: 08/02/2018	
2-Butanone	8.4		ug/L	10.0		84.2	49-152		10.3		30
2-Chlorotoluene	9.2		"	10.0		92.2	79-130		7.21		30
2-Hexanone	9.1		"	10.0		90.9	51-146		0.220		30
4-Chlorotoluene	9.2		"	10.0		91.5	79-128		5.73		30
4-Methyl-2-pentanone	9.1		"	10.0		90.9	57-145		4.96		30
Acetone	9.6		"	10.0		96.5	14-150		8.63		30
Acrolein	5.7		"	10.0		56.8	10-153		8.59		30
Acrylonitrile	11		"	10.0		106	51-150		0.190		30
Benzene	10		"	10.0		105	85-126		6.63		30
Bromobenzene	9.0		"	10.0		90.2	78-129		9.50		30
Bromochloromethane	10		"	10.0		102	77-128		4.81		30
Bromodichloromethane	8.8		"	10.0		88.0	79-128		2.76		30
Bromoform	8.0		"	10.0		80.0	78-133		0.871		30
Bromomethane	8.0		"	10.0		80.0	43-168		22.5		30
Carbon disulfide	11		"	10.0		109	68-146		7.07		30
Carbon tetrachloride	9.2		"	10.0		92.3	77-141		8.31		30
Chlorobenzene	9.5		"	10.0		94.6	88-120		2.92		30
Chloroethane	11		"	10.0		108	65-136		0.372		30
Chloroform	10		"	10.0		103	82-128		5.67		30
Chloromethane	7.3		"	10.0		72.9	43-155		11.4		30
cis-1,2-Dichloroethylene	9.5		"	10.0		95.1	83-129		7.00		30
cis-1,3-Dichloropropylene	7.8		"	10.0		78.2	80-131	Low Bias	4.04		30
Cyclohexane	9.9		"	10.0		98.7	63-149		8.91		30
Dibromochloromethane	8.5		"	10.0		85.2	80-130		5.03		30
Dibromomethane	8.9		"	10.0		88.9	72-134		0.561		30
Dichlorodifluoromethane	9.4		"	10.0		94.0	44-144		2.11		30
Ethyl Benzene	9.4		"	10.0		94.3	80-131		4.56		30
Hexachlorobutadiene	12		"	10.0		120	67-146		3.04		30
Isopropylbenzene	9.2		"	10.0		91.8	76-140		10.8		30
Methyl acetate	9.7		"	10.0		96.8	51-139		3.05		30
Methyl tert-butyl ether (MTBE)	9.9		"	10.0		99.3	76-135		2.98		30
Methylcyclohexane	8.5		"	10.0		85.0	72-143		6.82		30
Methylene chloride	11		"	10.0		107	55-137		6.05		30
n-Butylbenzene	10		"	10.0		102	79-132		5.97		30
n-Propylbenzene	9.4		"	10.0		93.9	78-133		10.3		30
o-Xylene	9.6		"	10.0		96.0	78-130		3.48		30
p- & m- Xylenes	19		"	20.0		93.7	77-133		4.03		30
p-Isopropyltoluene	9.8		"	10.0		97.9	81-136		8.79		30
sec-Butylbenzene	10		"	10.0		104	79-137		6.97		30
Styrene	9.4		"	10.0		94.1	67-132		3.04		30
tert-Butyl alcohol (TBA)	45		"	50.0		90.4	25-162		3.81		30
tert-Butylbenzene	9.7		"	10.0		97.4	77-138		6.84		30
Tetrachloroethylene	7.9		"	10.0		78.8	82-131	Low Bias	6.86		30
Toluene	8.9		"	10.0		88.9	80-127		3.64		30
trans-1,2-Dichloroethylene	9.9		"	10.0		98.9	80-132		6.93		30
trans-1,3-Dichloropropylene	7.3		"	10.0		73.2	78-131	Low Bias	3.36		30
trans-1,4-dichloro-2-butene	8.0		"	10.0		80.3	63-141		7.20		30
Trichloroethylene	8.8		"	10.0		87.8	82-128		5.32		30
Trichlorofluoromethane	8.8		"	10.0		87.9	67-139		12.7		30
Vinyl acetate	9.7		"	10.0		96.7	21-90	High Bias	2.65		30
Vinyl Chloride	11		"	10.0		106	58-145		21.1		30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80061 - EPA 5030B

LCS Dup (BH80061-BSD1)

Prepared & Analyzed: 08/02/2018

Surrogate: 1,2-Dichloroethane-d4	10.0		ug/L	10.0		100	69-130			
Surrogate: Toluene-d8	8.87		"	10.0		88.7	81-117			
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	79-122			

Batch BH80064 - EPA 5035A

Blank (BH80064-BLK1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethylene	ND	0.0050	"							
1,1-Dichloropropylene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.0050	"							
1,2-Dibromoethane	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,3-Dichloropropane	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
1,4-Dioxane	ND	0.10	"							
2,2-Dichloropropane	ND	0.0050	"							
2-Butanone	ND	0.0050	"							
2-Chlorotoluene	ND	0.0050	"							
2-Hexanone	ND	0.0050	"							
4-Chlorotoluene	ND	0.0050	"							
4-Methyl-2-pentanone	ND	0.0050	"							
Acetone	ND	0.010	"							
Acrolein	ND	0.010	"							
Acrylonitrile	ND	0.0050	"							
Benzene	ND	0.0050	"							
Bromobenzene	ND	0.0050	"							
Bromochloromethane	ND	0.0050	"							
Bromodichloromethane	ND	0.0050	"							
Bromoform	ND	0.0050	"							
Bromomethane	ND	0.0050	"							
Carbon disulfide	ND	0.0050	"							
Carbon tetrachloride	ND	0.0050	"							
Chlorobenzene	ND	0.0050	"							
Chloroethane	ND	0.0050	"							
Chloroform	ND	0.0050	"							
Chloromethane	ND	0.0050	"							
cis-1,2-Dichloroethylene	ND	0.0050	"							



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BH80064 - EPA 5035A

Blank (BH80064-BLK1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

cis-1,3-Dichloropropylene	ND	0.0050	mg/kg wet								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	49.5		ug/L	50.0		99.0	77-125				
<i>Surrogate: Toluene-d8</i>	52.7		"	50.0		105	85-120				
<i>Surrogate: p-Bromofluorobenzene</i>	57.0		"	50.0		114	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80064 - EPA 5035A

LCS (BH80064-BS1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	52		ug/L	50.0	103	75-129				
1,1,1-Trichloroethane	48		"	50.0	96.6	71-137				
1,1,2,2-Tetrachloroethane	55		"	50.0	109	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43		"	50.0	85.3	58-146				
1,1,2-Trichloroethane	49		"	50.0	99.0	83-123				
1,1-Dichloroethane	47		"	50.0	94.3	75-130				
1,1-Dichloroethylene	47		"	50.0	93.0	64-137				
1,1-Dichloropropylene	51		"	50.0	102	77-127				
1,2,3-Trichlorobenzene	52		"	50.0	103	81-140				
1,2,3-Trichloropropane	58		"	50.0	116	81-126				
1,2,4-Trichlorobenzene	48		"	50.0	96.6	80-141				
1,2,4-Trimethylbenzene	52		"	50.0	105	84-125				
1,2-Dibromo-3-chloropropane	58		"	50.0	116	74-142				
1,2-Dibromoethane	52		"	50.0	103	86-123				
1,2-Dichlorobenzene	54		"	50.0	107	85-122				
1,2-Dichloroethane	47		"	50.0	94.3	71-133				
1,2-Dichloropropane	50		"	50.0	99.8	81-122				
1,3,5-Trimethylbenzene	55		"	50.0	110	82-126				
1,3-Dichlorobenzene	51		"	50.0	101	84-124				
1,3-Dichloropropane	51		"	50.0	103	83-123				
1,4-Dichlorobenzene	52		"	50.0	104	84-124				
1,4-Dioxane	530		"	1050	50.8	10-228				
2,2-Dichloropropane	42		"	50.0	84.9	67-136				
2-Butanone	42		"	50.0	83.7	58-147				
2-Chlorotoluene	53		"	50.0	106	78-127				
2-Hexanone	50		"	50.0	101	70-139				
4-Chlorotoluene	53		"	50.0	106	79-125				
4-Methyl-2-pentanone	36		"	50.0	71.6	72-132	Low Bias			
Acetone	28		"	50.0	55.7	36-155				
Acrolein	26		"	50.0	53.0	10-238				
Acrylonitrile	46		"	50.0	92.6	66-141				
Benzene	48		"	50.0	96.8	77-127				
Bromobenzene	52		"	50.0	104	77-129				
Bromochloromethane	48		"	50.0	95.1	74-129				
Bromodichloromethane	50		"	50.0	99.5	81-124				
Bromoform	55		"	50.0	109	80-136				
Bromomethane	27		"	50.0	54.4	32-177				
Carbon disulfide	52		"	50.0	105	10-136				
Carbon tetrachloride	51		"	50.0	101	66-143				
Chlorobenzene	50		"	50.0	100	86-120				
Chloroethane	26		"	50.0	51.6	51-142				
Chloroform	47		"	50.0	94.1	76-131				
Chloromethane	33		"	50.0	66.5	49-132				
cis-1,2-Dichloroethylene	47		"	50.0	94.1	74-132				
cis-1,3-Dichloropropylene	48		"	50.0	95.1	81-129				
Cyclohexane	42		"	50.0	83.7	70-130				
Dibromochloromethane	53		"	50.0	105	10-200				
Dibromomethane	50		"	50.0	101	83-124				
Dichlorodifluoromethane	33		"	50.0	66.6	28-158				
Ethyl Benzene	52		"	50.0	104	84-125				
Hexachlorobutadiene	53		"	50.0	107	83-133				



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
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Batch BH80064 - EPA 5035A

LCS (BH80064-BS1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

Isopropylbenzene	53		ug/L	50.0		107	81-127				
Methyl acetate	42		"	50.0		84.0	41-143				
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.6	74-131				
Methylcyclohexane	55		"	50.0		110	70-130				
Methylene chloride	44		"	50.0		88.8	57-141				
n-Butylbenzene	52		"	50.0		104	80-130				
n-Propylbenzene	54		"	50.0		107	74-136				
o-Xylene	51		"	50.0		103	83-123				
p- & m- Xylenes	100		"	100		105	82-128				
p-Isopropyltoluene	54		"	50.0		108	85-125				
sec-Butylbenzene	56		"	50.0		112	83-125				
Styrene	51		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	220		"	250		89.5	70-130				
tert-Butylbenzene	41		"	50.0		82.0	80-127				
Tetrachloroethylene	47		"	50.0		93.7	80-129				
Toluene	54		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	49		"	50.0		98.5	72-132				
trans-1,3-Dichloropropylene	48		"	50.0		96.3	78-132				
trans-1,4-dichloro-2-butene	53		"	50.0		106	75-135				
Trichloroethylene	54		"	50.0		108	84-123				
Trichlorofluoromethane	31		"	50.0		62.5	62-140				
Vinyl acetate	39		"	50.0		78.8	67-136				
Vinyl Chloride	30		"	50.0		60.9	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.7</i>		<i>"</i>	<i>50.0</i>		<i>99.4</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>51.6</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>52.5</i>		<i>"</i>	<i>50.0</i>		<i>105</i>	<i>76-130</i>				

LCS Dup (BH80064-BSD1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	53		ug/L	50.0		106	75-129		2.51	30	
1,1,1-Trichloroethane	50		"	50.0		99.9	71-137		3.40	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		107	79-129		1.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		89.4	58-146		4.67	30	
1,1,2-Trichloroethane	50		"	50.0		99.2	83-123		0.262	30	
1,1-Dichloroethane	49		"	50.0		97.5	75-130		3.40	30	
1,1-Dichloroethylene	46		"	50.0		92.5	64-137		0.539	30	
1,1-Dichloropropylene	51		"	50.0		102	77-127		0.0393	30	
1,2,3-Trichlorobenzene	53		"	50.0		105	81-140		1.86	30	
1,2,3-Trichloropropane	56		"	50.0		113	81-126		2.60	30	
1,2,4-Trichlorobenzene	49		"	50.0		98.0	80-141		1.46	30	
1,2,4-Trimethylbenzene	52		"	50.0		104	84-125		1.09	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		108	74-142		7.70	30	
1,2-Dibromoethane	55		"	50.0		109	86-123		5.65	30	
1,2-Dichlorobenzene	53		"	50.0		105	85-122		1.79	30	
1,2-Dichloroethane	50		"	50.0		99.4	71-133		5.26	30	
1,2-Dichloropropane	50		"	50.0		101	81-122		0.818	30	
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126		2.16	30	
1,3-Dichlorobenzene	50		"	50.0		99.7	84-124		1.34	30	
1,3-Dichloropropane	52		"	50.0		105	83-123		1.91	30	
1,4-Dichlorobenzene	50		"	50.0		99.7	84-124		3.86	30	
1,4-Dioxane	580		"	1050		54.9	10-228		7.80	30	
2,2-Dichloropropane	44		"	50.0		87.4	67-136		2.92	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

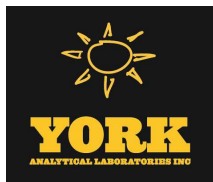
Analyte	Result	Reporting		Spike	Source*		%REC	Limits	Flag	RPD	
		Limit	Units		Level	Result				%REC	RPD

Batch BH80064 - EPA 5035A

LCS Dup (BH80064-BSD1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

2-Butanone	43		ug/L	50.0		86.9	58-147			3.75	30
2-Chlorotoluene	52		"	50.0		104	78-127			1.05	30
2-Hexanone	50		"	50.0		101	70-139			0.199	30
4-Chlorotoluene	51		"	50.0		101	79-125			4.29	30
4-Methyl-2-pentanone	37		"	50.0		73.6	72-132			2.76	30
Acetone	32		"	50.0		63.3	36-155			12.8	30
Acrolein	27		"	50.0		54.1	10-238			2.05	30
Acrylonitrile	49		"	50.0		98.0	66-141			5.67	30
Benzene	50		"	50.0		100	77-127			3.45	30
Bromobenzene	51		"	50.0		102	77-129			2.07	30
Bromochloromethane	48		"	50.0		95.7	74-129			0.713	30
Bromodichloromethane	51		"	50.0		102	81-124			2.56	30
Bromoform	55		"	50.0		110	80-136			0.238	30
Bromomethane	25		"	50.0		49.3	32-177			9.76	30
Carbon disulfide	53		"	50.0		105	10-136			0.819	30
Carbon tetrachloride	50		"	50.0		101	66-143			0.753	30
Chlorobenzene	51		"	50.0		103	86-120			2.66	30
Chloroethane	26		"	50.0		51.8	51-142			0.503	30
Chloroform	48		"	50.0		95.8	76-131			1.75	30
Chloromethane	34		"	50.0		67.6	49-132			1.73	30
cis-1,2-Dichloroethylene	48		"	50.0		96.1	74-132			2.04	30
cis-1,3-Dichloropropylene	49		"	50.0		97.0	81-129			2.04	30
Cyclohexane	42		"	50.0		84.3	70-130			0.690	30
Dibromochloromethane	53		"	50.0		107	10-200			1.58	30
Dibromomethane	51		"	50.0		102	83-124			0.966	30
Dichlorodifluoromethane	32		"	50.0		64.6	28-158			2.96	30
Ethyl Benzene	53		"	50.0		106	84-125			1.88	30
Hexachlorobutadiene	53		"	50.0		106	83-133			0.769	30
Isopropylbenzene	51		"	50.0		103	81-127			3.72	30
Methyl acetate	44		"	50.0		88.9	41-143			5.71	30
Methyl tert-butyl ether (MTBE)	46		"	50.0		92.0	74-131			2.60	30
Methylcyclohexane	56		"	50.0		112	70-130			1.37	30
Methylene chloride	44		"	50.0		87.9	57-141			0.928	30
n-Butylbenzene	51		"	50.0		102	80-130			2.12	30
n-Propylbenzene	52		"	50.0		105	74-136			2.36	30
o-Xylene	52		"	50.0		104	83-123			1.64	30
p- & m- Xylenes	110		"	100		107	82-128			1.76	30
p-Isopropyltoluene	53		"	50.0		106	85-125			1.20	30
sec-Butylbenzene	55		"	50.0		110	83-125			1.73	30
Styrene	52		"	50.0		104	86-126			0.969	30
tert-Butyl alcohol (TBA)	230		"	250		91.9	70-130			2.69	30
tert-Butylbenzene	40		"	50.0		80.1	80-127			2.34	30
Tetrachloroethylene	49		"	50.0		97.8	80-129			4.34	30
Toluene	54		"	50.0		108	85-121			0.612	30
trans-1,2-Dichloroethylene	49		"	50.0		98.0	72-132			0.529	30
trans-1,3-Dichloropropylene	49		"	50.0		97.1	78-132			0.848	30
trans-1,4-dichloro-2-butene	53		"	50.0		105	75-135			0.661	30
Trichloroethylene	54		"	50.0		107	84-123			1.11	30
Trichlorofluoromethane	32		"	50.0		64.9	62-140			3.77	30
Vinyl acetate	40		"	50.0		80.2	67-136			1.81	30
Vinyl Chloride	31		"	50.0		62.8	52-130			2.97	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80064 - EPA 5035A

LCS Dup (BH80064-BSD1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

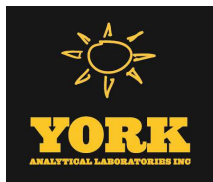
Surrogate: 1,2-Dichloroethane-d4	49.1		ug/L	50.0		98.2	77-125						
Surrogate: Toluene-d8	51.5		"	50.0		103	85-120						
Surrogate: p-Bromofluorobenzene	52.2		"	50.0		104	76-130						

Batch BH80202 - EPA 5035A

Blank (BH80202-BLK1)

Prepared & Analyzed: 08/02/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet										
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-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	"										
1,4-Dioxane	ND	10	"										
2,2-Dichloropropane	ND	0.50	"										
2-Butanone	ND	0.50	"										
2-Chlorotoluene	ND	0.50	"										
2-Hexanone	ND	0.50	"										
4-Chlorotoluene	ND	0.50	"										
4-Methyl-2-pentanone	ND	0.50	"										
Acetone	ND	1.0	"										
Acrolein	ND	1.0	"										
Acrylonitrile	ND	0.50	"										
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	"										



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80202 - EPA 5035A

Blank (BH80202-BLK1)

Prepared & Analyzed: 08/02/2018

cis-1,3-Dichloropropylene	ND	0.50	mg/kg wet								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	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	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl acetate	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>46.7</i>		<i>ug/L</i>	<i>50.0</i>		<i>93.4</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.8</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.2</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80202 - EPA 5035A

LCS (BH80202-BS1)

Prepared & Analyzed: 08/02/2018

1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	49		"	50.0		98.4	71-137				
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		90.7	58-146				
1,1,2-Trichloroethane	49		"	50.0		98.8	83-123				
1,1-Dichloroethane	48		"	50.0		96.8	75-130				
1,1-Dichloroethylene	44		"	50.0		88.0	64-137				
1,1-Dichloropropylene	50		"	50.0		99.9	77-127				
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140				
1,2,3-Trichloropropane	52		"	50.0		103	81-126				
1,2,4-Trichlorobenzene	57		"	50.0		114	80-141				
1,2,4-Trimethylbenzene	50		"	50.0		99.4	84-125				
1,2-Dibromo-3-chloropropane	50		"	50.0		99.8	74-142				
1,2-Dibromoethane	52		"	50.0		104	86-123				
1,2-Dichlorobenzene	51		"	50.0		103	85-122				
1,2-Dichloroethane	51		"	50.0		102	71-133				
1,2-Dichloropropane	50		"	50.0		100	81-122				
1,3,5-Trimethylbenzene	51		"	50.0		102	82-126				
1,3-Dichlorobenzene	51		"	50.0		102	84-124				
1,3-Dichloropropane	52		"	50.0		103	83-123				
1,4-Dichlorobenzene	51		"	50.0		101	84-124				
1,4-Dioxane	490		"	1050		46.6	10-228				
2,2-Dichloropropane	53		"	50.0		106	67-136				
2-Butanone	46		"	50.0		91.7	58-147				
2-Chlorotoluene	50		"	50.0		99.7	78-127				
2-Hexanone	49		"	50.0		98.4	70-139				
4-Chlorotoluene	51		"	50.0		103	79-125				
4-Methyl-2-pentanone	51		"	50.0		102	72-132				
Acetone	39		"	50.0		77.8	36-155				
Acrolein	26		"	50.0		52.4	10-238				
Acrylonitrile	52		"	50.0		104	66-141				
Benzene	50		"	50.0		101	77-127				
Bromobenzene	51		"	50.0		102	77-129				
Bromochloromethane	50		"	50.0		99.1	74-129				
Bromodichloromethane	52		"	50.0		105	81-124				
Bromoform	52		"	50.0		103	80-136				
Bromomethane	45		"	50.0		90.2	32-177				
Carbon disulfide	46		"	50.0		92.8	10-136				
Carbon tetrachloride	51		"	50.0		102	66-143				
Chlorobenzene	52		"	50.0		103	86-120				
Chloroethane	40		"	50.0		80.2	51-142				
Chloroform	49		"	50.0		98.7	76-131				
Chloromethane	39		"	50.0		78.9	49-132				
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132				
cis-1,3-Dichloropropylene	53		"	50.0		107	81-129				
Cyclohexane	49		"	50.0		97.9	70-130				
Dibromochloromethane	52		"	50.0		104	10-200				
Dibromomethane	50		"	50.0		99.1	83-124				
Dichlorodifluoromethane	30		"	50.0		60.5	28-158				
Ethyl Benzene	51		"	50.0		103	84-125				
Hexachlorobutadiene	54		"	50.0		107	83-133				



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
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Batch BH80202 - EPA 5035A

LCS (BH80202-BS1)

Prepared & Analyzed: 08/02/2018

Isopropylbenzene	50		ug/L	50.0		100	81-127				
Methyl acetate	38		"	50.0		75.6	41-143				
Methyl tert-butyl ether (MTBE)	48		"	50.0		95.8	74-131				
Methylcyclohexane	48		"	50.0		95.3	70-130				
Methylene chloride	47		"	50.0		93.3	57-141				
n-Butylbenzene	52		"	50.0		104	80-130				
n-Propylbenzene	51		"	50.0		101	74-136				
o-Xylene	51		"	50.0		103	83-123				
p- & m- Xylenes	100		"	100		101	82-128				
p-Isopropyltoluene	52		"	50.0		105	85-125				
sec-Butylbenzene	53		"	50.0		106	83-125				
Styrene	52		"	50.0		105	86-126				
tert-Butyl alcohol (TBA)	160		"	250		63.7	70-130	Low Bias			
tert-Butylbenzene	51		"	50.0		102	80-127				
Tetrachloroethylene	42		"	50.0		84.8	80-129				
Toluene	51		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		96.0	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		107	78-132				
trans-1,4-dichloro-2-butene	53		"	50.0		106	75-135				
Trichloroethylene	52		"	50.0		103	84-123				
Trichlorofluoromethane	41		"	50.0		81.6	62-140				
Vinyl acetate	44		"	50.0		87.3	67-136				
Vinyl Chloride	42		"	50.0		83.4	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>		<i>99.6</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.9</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>76-130</i>				

LCS Dup (BH80202-BSD1)

Prepared & Analyzed: 08/02/2018

1,1,1,2-Tetrachloroethane	53		ug/L	50.0		105	75-129		2.37	30	
1,1,1-Trichloroethane	54		"	50.0		107	71-137		8.69	30	
1,1,1,2,2-Tetrachloroethane	57		"	50.0		113	79-129		5.16	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.5	58-146		6.18	30	
1,1,2-Trichloroethane	51		"	50.0		103	83-123		4.04	30	
1,1-Dichloroethane	51		"	50.0		102	75-130		5.25	30	
1,1-Dichloroethylene	49		"	50.0		98.2	64-137		10.9	30	
1,1-Dichloropropylene	54		"	50.0		108	77-127		8.03	30	
1,2,3-Trichlorobenzene	58		"	50.0		115	81-140		8.17	30	
1,2,3-Trichloropropane	53		"	50.0		106	81-126		2.56	30	
1,2,4-Trichlorobenzene	60		"	50.0		121	80-141		5.63	30	
1,2,4-Trimethylbenzene	54		"	50.0		107	84-125		7.42	30	
1,2-Dibromo-3-chloropropane	50		"	50.0		99.1	74-142		0.684	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		0.231	30	
1,2-Dichlorobenzene	53		"	50.0		105	85-122		2.60	30	
1,2-Dichloroethane	53		"	50.0		105	71-133		2.93	30	
1,2-Dichloropropane	50		"	50.0		100	81-122		0.299	30	
1,3,5-Trimethylbenzene	54		"	50.0		107	82-126		4.71	30	
1,3-Dichlorobenzene	54		"	50.0		108	84-124		6.03	30	
1,3-Dichloropropane	53		"	50.0		106	83-123		2.45	30	
1,4-Dichlorobenzene	52		"	50.0		105	84-124		3.43	30	
1,4-Dioxane	500		"	1050		47.9	10-228		2.81	30	
2,2-Dichloropropane	57		"	50.0		114	67-136		7.90	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Flag	RPD		
		Limit						Units	Level	Result
Batch BH80202 - EPA 5035A										
LCS Dup (BH80202-BSD1)										
										Prepared & Analyzed: 08/02/2018
2-Butanone	49		ug/L	50.0	97.3	58-147		5.99	30	
2-Chlorotoluene	53		"	50.0	106	78-127		6.37	30	
2-Hexanone	49		"	50.0	98.6	70-139		0.183	30	
4-Chlorotoluene	54		"	50.0	108	79-125		4.77	30	
4-Methyl-2-pentanone	52		"	50.0	104	72-132		1.61	30	
Acetone	44		"	50.0	88.9	36-155		13.4	30	
Acrolein	30		"	50.0	59.4	10-238		12.6	30	
Acrylonitrile	58		"	50.0	117	66-141		11.1	30	
Benzene	53		"	50.0	107	77-127		5.57	30	
Bromobenzene	52		"	50.0	105	77-129		2.47	30	
Bromochloromethane	52		"	50.0	103	74-129		4.29	30	
Bromodichloromethane	52		"	50.0	103	81-124		1.59	30	
Bromoform	54		"	50.0	109	80-136		5.25	30	
Bromomethane	47		"	50.0	94.5	32-177		4.68	30	
Carbon disulfide	49		"	50.0	97.5	10-136		4.92	30	
Carbon tetrachloride	54		"	50.0	109	66-143		6.85	30	
Chlorobenzene	52		"	50.0	104	86-120		0.213	30	
Chloroethane	39		"	50.0	77.7	51-142		3.17	30	
Chloroform	53		"	50.0	105	76-131		6.40	30	
Chloromethane	41		"	50.0	82.6	49-132		4.61	30	
cis-1,2-Dichloroethylene	54		"	50.0	108	74-132		7.08	30	
cis-1,3-Dichloropropylene	54		"	50.0	107	81-129		0.392	30	
Cyclohexane	53		"	50.0	105	70-130		7.04	30	
Dibromochloromethane	53		"	50.0	106	10-200		2.30	30	
Dibromomethane	49		"	50.0	98.7	83-124		0.425	30	
Dichlorodifluoromethane	34		"	50.0	67.9	28-158		11.6	30	
Ethyl Benzene	53		"	50.0	105	84-125		2.47	30	
Hexachlorobutadiene	58		"	50.0	116	83-133		8.39	30	
Isopropylbenzene	53		"	50.0	107	81-127		6.08	30	
Methyl acetate	40		"	50.0	80.9	41-143		6.72	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0	99.0	74-131		3.25	30	
Methylcyclohexane	50		"	50.0	99.8	70-130		4.65	30	
Methylene chloride	48		"	50.0	96.7	57-141		3.58	30	
n-Butylbenzene	57		"	50.0	114	80-130		8.58	30	
n-Propylbenzene	55		"	50.0	110	74-136		8.04	30	
o-Xylene	53		"	50.0	106	83-123		3.41	30	
p- & m- Xylenes	100		"	100	104	82-128		3.13	30	
p-Isopropyltoluene	56		"	50.0	113	85-125		7.44	30	
sec-Butylbenzene	57		"	50.0	114	83-125		7.77	30	
Styrene	53		"	50.0	106	86-126		0.933	30	
tert-Butyl alcohol (TBA)	180		"	250	70.2	70-130		9.63	30	
tert-Butylbenzene	54		"	50.0	108	80-127		5.39	30	
Tetrachloroethylene	44		"	50.0	87.9	80-129		3.64	30	
Toluene	51		"	50.0	101	85-121		0.905	30	
trans-1,2-Dichloroethylene	49		"	50.0	97.9	72-132		1.98	30	
trans-1,3-Dichloropropylene	53		"	50.0	107	78-132		0.0187	30	
trans-1,4-dichloro-2-butene	56		"	50.0	111	75-135		4.97	30	
Trichloroethylene	53		"	50.0	106	84-123		2.85	30	
Trichlorofluoromethane	50		"	50.0	99.4	62-140		19.6	30	
Vinyl acetate	38		"	50.0	76.7	67-136		12.9	30	
Vinyl Chloride	43		"	50.0	85.8	52-130		2.86	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80202 - EPA 5035A

LCS Dup (BH80202-BSD1)

Prepared & Analyzed: 08/02/2018

Surrogate: 1,2-Dichloroethane-d4	51.5		ug/L	50.0		103	77-125				
Surrogate: Toluene-d8	49.0		"	50.0		97.9	85-120				
Surrogate: p-Bromofluorobenzene	51.7		"	50.0		103	76-130				

Batch BH80205 - EPA 5035A

Blank (BH80205-BLK1)

Prepared & Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80205 - EPA 5035A

Blank (BH80205-BLK1)

Prepared & Analyzed: 08/03/2018

cis-1,3-Dichloropropylene	ND	0.0050	mg/kg wet										
Cyclohexane	ND	0.0050	"										
Dibromochloromethane	ND	0.0050	"										
Dibromomethane	ND	0.0050	"										
Dichlorodifluoromethane	ND	0.0050	"										
Ethyl Benzene	ND	0.0050	"										
Hexachlorobutadiene	ND	0.0050	"										
Isopropylbenzene	ND	0.0050	"										
Methyl acetate	ND	0.0050	"										
Methyl tert-butyl ether (MTBE)	ND	0.0050	"										
Methylcyclohexane	ND	0.0050	"										
Methylene chloride	ND	0.010	"										
n-Butylbenzene	ND	0.0050	"										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
trans-1,4-dichloro-2-butene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl acetate	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.0</i>		<i>ug/L</i>	<i>50.0</i>		<i>102</i>	<i>77-125</i>						
<i>Surrogate: Toluene-d8</i>	<i>51.8</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>85-120</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>57.2</i>		<i>"</i>	<i>50.0</i>		<i>114</i>	<i>76-130</i>						



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
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Batch BH80205 - EPA 5035A

LCS (BH80205-BS1)

Prepared & Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	51		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	56		"	50.0		113	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		91.0	58-146				
1,1,2-Trichloroethane	50		"	50.0		101	83-123				
1,1-Dichloroethane	50		"	50.0		99.9	75-130				
1,1-Dichloroethylene	47		"	50.0		94.9	64-137				
1,1-Dichloropropylene	53		"	50.0		105	77-127				
1,2,3-Trichlorobenzene	54		"	50.0		107	81-140				
1,2,3-Trichloropropane	58		"	50.0		117	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		101	80-141				
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	56		"	50.0		111	74-142				
1,2-Dibromoethane	57		"	50.0		114	86-123				
1,2-Dichlorobenzene	52		"	50.0		103	85-122				
1,2-Dichloroethane	52		"	50.0		105	71-133				
1,2-Dichloropropane	53		"	50.0		106	81-122				
1,3,5-Trimethylbenzene	55		"	50.0		110	82-126				
1,3-Dichlorobenzene	53		"	50.0		106	84-124				
1,3-Dichloropropane	54		"	50.0		107	83-123				
1,4-Dichlorobenzene	53		"	50.0		106	84-124				
1,4-Dioxane	640		"	1050		60.9	10-228				
2,2-Dichloropropane	49		"	50.0		97.5	67-136				
2-Butanone	44		"	50.0		87.3	58-147				
2-Chlorotoluene	55		"	50.0		110	78-127				
2-Hexanone	54		"	50.0		107	70-139				
4-Chlorotoluene	54		"	50.0		109	79-125				
4-Methyl-2-pentanone	39		"	50.0		77.8	72-132				
Acetone	35		"	50.0		70.3	36-155				
Acrolein	31		"	50.0		61.0	10-238				
Acrylonitrile	52		"	50.0		105	66-141				
Benzene	51		"	50.0		102	77-127				
Bromobenzene	54		"	50.0		109	77-129				
Bromochloromethane	50		"	50.0		99.5	74-129				
Bromodichloromethane	52		"	50.0		105	81-124				
Bromoform	58		"	50.0		116	80-136				
Bromomethane	27		"	50.0		53.3	32-177				
Carbon disulfide	54		"	50.0		108	10-136				
Carbon tetrachloride	54		"	50.0		107	66-143				
Chlorobenzene	54		"	50.0		107	86-120				
Chloroethane	27		"	50.0		54.5	51-142				
Chloroform	49		"	50.0		97.6	76-131				
Chloromethane	34		"	50.0		67.9	49-132				
cis-1,2-Dichloroethylene	49		"	50.0		98.7	74-132				
cis-1,3-Dichloropropylene	52		"	50.0		105	81-129				
Cyclohexane	43		"	50.0		85.3	70-130				
Dibromochloromethane	54		"	50.0		107	10-200				
Dibromomethane	52		"	50.0		104	83-124				
Dichlorodifluoromethane	30		"	50.0		60.2	28-158				
Ethyl Benzene	55		"	50.0		111	84-125				
Hexachlorobutadiene	55		"	50.0		110	83-133				



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
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Batch BH80205 - EPA 5035A

LCS (BH80205-BS1)

Prepared & Analyzed: 08/03/2018

Isopropylbenzene	54		ug/L	50.0		108	81-127				
Methyl acetate	45		"	50.0		90.0	41-143				
Methyl tert-butyl ether (MTBE)	48		"	50.0		95.2	74-131				
Methylcyclohexane	57		"	50.0		115	70-130				
Methylene chloride	47		"	50.0		93.8	57-141				
n-Butylbenzene	54		"	50.0		108	80-130				
n-Propylbenzene	55		"	50.0		110	74-136				
o-Xylene	54		"	50.0		109	83-123				
p- & m- Xylenes	110		"	100		112	82-128				
p-Isopropyltoluene	55		"	50.0		110	85-125				
sec-Butylbenzene	58		"	50.0		115	83-125				
Styrene	54		"	50.0		108	86-126				
tert-Butyl alcohol (TBA)	250		"	250		99.1	70-130				
tert-Butylbenzene	46		"	50.0		91.4	80-127				
Tetrachloroethylene	51		"	50.0		102	80-129				
Toluene	57		"	50.0		114	85-121				
trans-1,2-Dichloroethylene	50		"	50.0		100	72-132				
trans-1,3-Dichloropropylene	53		"	50.0		106	78-132				
trans-1,4-dichloro-2-butene	56		"	50.0		112	75-135				
Trichloroethylene	57		"	50.0		115	84-123				
Trichlorofluoromethane	34		"	50.0		67.3	62-140				
Vinyl acetate	44		"	50.0		88.7	67-136				
Vinyl Chloride	30		"	50.0		59.6	52-130				
Surrogate: 1,2-Dichloroethane-d4	49.9		"	50.0		99.8	77-125				
Surrogate: Toluene-d8	51.6		"	50.0		103	85-120				
Surrogate: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				

LCS Dup (BH80205-BSD1)

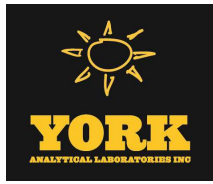
Prepared & Analyzed: 08/03/2018

1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	75-129		0.597	30	
1,1,1-Trichloroethane	47		"	50.0		94.6	71-137		7.25	30	
1,1,2,2-Tetrachloroethane	56		"	50.0		111	79-129		1.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42		"	50.0		85.0	58-146		6.82	30	
1,1,2-Trichloroethane	51		"	50.0		101	83-123		0.198	30	
1,1-Dichloroethane	47		"	50.0		94.1	75-130		5.98	30	
1,1-Dichloroethylene	44		"	50.0		88.1	64-137		7.45	30	
1,1-Dichloropropylene	49		"	50.0		98.6	77-127		6.42	30	
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140		1.07	30	
1,2,3-Trichloropropane	57		"	50.0		115	81-126		1.75	30	
1,2,4-Trichlorobenzene	52		"	50.0		103	80-141		2.39	30	
1,2,4-Trimethylbenzene	54		"	50.0		109	84-125		0.756	30	
1,2-Dibromo-3-chloropropane	56		"	50.0		112	74-142		0.519	30	
1,2-Dibromoethane	54		"	50.0		108	86-123		4.77	30	
1,2-Dichlorobenzene	55		"	50.0		111	85-122		7.08	30	
1,2-Dichloroethane	51		"	50.0		102	71-133		2.50	30	
1,2-Dichloropropane	51		"	50.0		102	81-122		3.76	30	
1,3,5-Trimethylbenzene	56		"	50.0		112	82-126		1.55	30	
1,3-Dichlorobenzene	52		"	50.0		105	84-124		0.760	30	
1,3-Dichloropropane	53		"	50.0		107	83-123		0.392	30	
1,4-Dichlorobenzene	54		"	50.0		107	84-124		1.60	30	
1,4-Dioxane	560		"	1050		53.1	10-228		13.8	30	
2,2-Dichloropropane	45		"	50.0		90.1	67-136		7.87	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BH80205 - EPA 5035A										
LCS Dup (BH80205-BSD1)										
Prepared & Analyzed: 08/03/2018										
2-Butanone	42		ug/L	50.0	83.7	58-147			4.19	30
2-Chlorotoluene	55		"	50.0	109	78-127			0.255	30
2-Hexanone	51		"	50.0	102	70-139			5.00	30
4-Chlorotoluene	54		"	50.0	108	79-125			0.387	30
4-Methyl-2-pentanone	37		"	50.0	73.9	72-132			5.14	30
Acetone	33		"	50.0	66.9	36-155			5.02	30
Acrolein	29		"	50.0	58.0	10-238			5.11	30
Acrylonitrile	49		"	50.0	98.9	66-141			5.90	30
Benzene	48		"	50.0	96.4	77-127			5.51	30
Bromobenzene	54		"	50.0	108	77-129			0.756	30
Bromochloromethane	48		"	50.0	95.0	74-129			4.65	30
Bromodichloromethane	53		"	50.0	105	81-124			0.457	30
Bromoform	55		"	50.0	110	80-136			5.06	30
Bromomethane	26		"	50.0	52.3	32-177			1.97	30
Carbon disulfide	50		"	50.0	100	10-136			7.88	30
Carbon tetrachloride	50		"	50.0	100	66-143			6.42	30
Chlorobenzene	52		"	50.0	105	86-120			2.60	30
Chloroethane	25		"	50.0	50.0	51-142	Low Bias		8.77	30
Chloroform	47		"	50.0	93.1	76-131			4.66	30
Chloromethane	32		"	50.0	63.1	49-132			7.33	30
cis-1,2-Dichloroethylene	48		"	50.0	96.2	74-132			2.59	30
cis-1,3-Dichloropropylene	50		"	50.0	101	81-129			3.68	30
Cyclohexane	39		"	50.0	78.5	70-130			8.28	30
Dibromochloromethane	55		"	50.0	111	10-200			3.25	30
Dibromomethane	50		"	50.0	99.8	83-124			4.24	30
Dichlorodifluoromethane	27		"	50.0	54.7	28-158			9.53	30
Ethyl Benzene	53		"	50.0	107	84-125			3.42	30
Hexachlorobutadiene	56		"	50.0	112	83-133			1.93	30
Isopropylbenzene	54		"	50.0	107	81-127			1.23	30
Methyl acetate	43		"	50.0	86.3	41-143			4.26	30
Methyl tert-butyl ether (MTBE)	46		"	50.0	92.4	74-131			2.99	30
Methylcyclohexane	54		"	50.0	108	70-130			6.34	30
Methylene chloride	45		"	50.0	90.6	57-141			3.47	30
n-Butylbenzene	54		"	50.0	109	80-130			0.831	30
n-Propylbenzene	54		"	50.0	109	74-136			0.844	30
o-Xylene	53		"	50.0	106	83-123			2.07	30
p- & m- Xylenes	110		"	100	108	82-128			3.38	30
p-Isopropyltoluene	55		"	50.0	110	85-125			0.800	30
sec-Butylbenzene	57		"	50.0	113	83-125			1.77	30
Styrene	53		"	50.0	105	86-126			2.40	30
tert-Butyl alcohol (TBA)	230		"	250	90.8	70-130			8.72	30
tert-Butylbenzene	45		"	50.0	89.8	80-127			1.79	30
Tetrachloroethylene	48		"	50.0	96.1	80-129			5.52	30
Toluene	55		"	50.0	110	85-121			3.20	30
trans-1,2-Dichloroethylene	48		"	50.0	95.4	72-132			5.15	30
trans-1,3-Dichloropropylene	53		"	50.0	107	78-132			0.791	30
trans-1,4-dichloro-2-butene	53		"	50.0	105	75-135			5.76	30
Trichloroethylene	54		"	50.0	108	84-123			5.68	30
Trichlorofluoromethane	31		"	50.0	62.4	62-140			7.46	30
Vinyl acetate	43		"	50.0	85.2	67-136			3.98	30
Vinyl Chloride	28		"	50.0	56.4	52-130			5.62	30



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

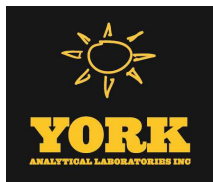
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH80205 - EPA 5035A

LCS Dup (BH80205-BSD1)

Prepared & Analyzed: 08/03/2018

<i>Surrogate: 1,2-Dichloroethane-d4</i>	48.2		ug/L	50.0		96.5	77-125				
<i>Surrogate: Toluene-d8</i>	50.6		"	50.0		101	85-120				
<i>Surrogate: p-Bromofluorobenzene</i>	52.6		"	50.0		105	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80023 - EPA 3510C

Blank (BH80023-BLK1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH80023 - EPA 3510C

Blank (BH80023-BLK1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	20.9		"	50.0		41.7	19.7-63.1				
Surrogate: Phenol-d5	10.6		"	50.0		21.2	10.1-41.7				
Surrogate: Nitrobenzene-d5	18.7		"	25.0		74.6	50.2-113				
Surrogate: 2-Fluorobiphenyl	17.7		"	25.0		70.8	39.9-105				
Surrogate: 2,4,6-Tribromophenol	45.1		"	50.0		90.2	39.3-151				
Surrogate: Terphenyl-d14	22.5		"	25.0		90.1	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80023 - EPA 3510C

Blank (BH80023-BLK2)

Prepared: 08/01/2018 Analyzed: 08/03/2018

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

LCS (BH80023-BS1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

1,1-Biphenyl	13.6	5.00	ug/L	25.0	54.5	21-102	
1,2,4,5-Tetrachlorobenzene	14.6	5.00	"	25.0	58.6	28-105	
1,2,4-Trichlorobenzene	13.6	5.00	"	25.0	54.6	35-91	
1,2-Dichlorobenzene	12.4	5.00	"	25.0	49.7	42-85	
1,2-Diphenylhydrazine (as Azobenzene)	14.9	5.00	"	25.0	59.4	16-137	
1,3-Dichlorobenzene	11.6	5.00	"	25.0	46.5	45-80	
1,4-Dichlorobenzene	11.8	5.00	"	25.0	47.1	42-82	
2,3,4,6-Tetrachlorophenol	36.2	5.00	"	25.0	145	30-130	High Bias
2,4,5-Trichlorophenol	15.3	5.00	"	25.0	61.1	36-112	
2,4,6-Trichlorophenol	15.4	5.00	"	25.0	61.4	41-107	
2,4-Dichlorophenol	15.6	5.00	"	25.0	62.3	43-92	
2,4-Dimethylphenol	16.5	5.00	"	25.0	65.9	25-92	
2,4-Dinitrophenol	20.2	5.00	"	25.0	80.7	10-149	
2,4-Dinitrotoluene	15.8	5.00	"	25.0	63.2	41-114	
2,6-Dinitrotoluene	15.4	5.00	"	25.0	61.5	49-106	
2-Chloronaphthalene	14.4	5.00	"	25.0	57.6	40-96	
2-Chlorophenol	12.6	5.00	"	25.0	50.4	35-84	
2-Methylnaphthalene	14.4	5.00	"	25.0	57.5	33-101	
2-Methylphenol	11.7	5.00	"	25.0	47.0	10-90	
2-Nitroaniline	13.3	5.00	"	25.0	53.0	31-122	
2-Nitrophenol	15.0	5.00	"	25.0	59.9	37-97	
3- & 4-Methylphenols	9.07	5.00	"	25.0	36.3	10-101	
3,3-Dichlorobenzidine	20.1	5.00	"	25.0	80.4	25-155	
3-Nitroaniline	11.8	5.00	"	25.0	47.3	29-128	
4,6-Dinitro-2-methylphenol	19.0	5.00	"	25.0	76.0	10-135	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
Batch BH80023 - EPA 3510C											
LCS (BH80023-BS1)											
Prepared: 08/01/2018 Analyzed: 08/02/2018											
4-Bromophenyl phenyl ether	15.7	5.00	ug/L	25.0		62.8	38-116				
4-Chloro-3-methylphenol	14.9	5.00	"	25.0		59.8	28-101				
4-Chloroaniline	9.04	5.00	"	25.0		36.2	10-154				
4-Chlorophenyl phenyl ether	15.3	5.00	"	25.0		61.4	34-112				
4-Nitroaniline	14.8	5.00	"	25.0		59.1	15-143				
4-Nitrophenol	7.26	5.00	"	25.0		29.0	10-112				
Acenaphthene	12.8	0.0500	"	25.0		51.2	24-114				
Acenaphthylene	12.5	0.0500	"	25.0		49.8	26-112				
Acetophenone	13.0	5.00	"	25.0		52.2	47-92				
Aniline	4.87	5.00	"	25.0		19.5	10-107				
Anthracene	14.6	0.0500	"	25.0		58.5	35-114				
Atrazine	15.4	0.500	"	25.0		61.7	43-101				
Benzaldehyde	14.3	5.00	"	25.0		57.1	17-117				
Benzo(a)anthracene	15.3	0.0500	"	25.0		61.1	38-127				
Benzo(a)pyrene	15.6	0.0500	"	25.0		62.4	30-146				
Benzo(b)fluoranthene	14.8	0.0500	"	25.0		59.4	36-145				
Benzo(g,h,i)perylene	15.5	0.0500	"	25.0		62.2	10-163				
Benzo(k)fluoranthene	15.1	0.0500	"	25.0		60.2	16-149				
Benzoic acid	ND	50.0	"	25.2			30-130	Low Bias			
Benzyl alcohol	9.40	5.00	"	25.0		37.6	18-75				
Benzyl butyl phthalate	16.6	5.00	"	25.0		66.3	28-129				
Bis(2-chloroethoxy)methane	14.2	5.00	"	25.0		56.8	27-112				
Bis(2-chloroethyl)ether	12.1	5.00	"	25.0		48.6	24-114				
Bis(2-chloroisopropyl)ether	18.0	5.00	"	25.0		72.0	21-124				
Bis(2-ethylhexyl)phthalate	15.6	0.500	"	25.0		62.6	10-171				
Caprolactam	3.43	5.00	"	25.0		13.7	10-29				
Carbazole	18.2	5.00	"	25.0		72.8	49-116				
Chrysene	14.6	0.0500	"	25.0		58.3	33-120				
Dibenzo(a,h)anthracene	15.9	0.0500	"	25.0		63.8	10-149				
Dibenzofuran	14.4	5.00	"	25.0		57.4	42-105				
Diethyl phthalate	16.0	5.00	"	25.0		64.1	38-112				
Dimethyl phthalate	15.7	5.00	"	25.0		62.8	49-106				
Di-n-butyl phthalate	15.9	5.00	"	25.0		63.4	36-110				
Di-n-octyl phthalate	14.8	5.00	"	25.0		59.2	12-149				
Fluoranthene	15.3	0.0500	"	25.0		61.2	33-126				
Fluorene	13.9	0.0500	"	25.0		55.8	28-117				
Hexachlorobenzene	14.9	0.0200	"	25.0		59.6	27-120				
Hexachlorobutadiene	12.9	0.500	"	25.0		51.6	25-106				
Hexachlorocyclopentadiene	13.3	5.00	"	25.0		53.4	10-99				
Hexachloroethane	11.6	0.500	"	25.0		46.5	33-84				
Indeno(1,2,3-cd)pyrene	16.3	0.0500	"	25.0		65.2	10-150				
Isophorone	15.9	5.00	"	25.0		63.5	29-115				
Naphthalene	12.2	0.0500	"	25.0		48.7	30-99				
Nitrobenzene	12.8	0.250	"	25.0		51.1	32-113				
N-Nitrosodimethylamine	6.04	0.500	"	25.0		24.2	10-63				
N-nitroso-di-n-propylamine	15.0	5.00	"	25.0		59.9	36-118				
N-Nitrosodiphenylamine	17.8	5.00	"	25.0		71.0	27-145				
Pentachlorophenol	17.2	0.250	"	25.0		68.7	19-127				
Phenanthrene	15.0	0.0500	"	25.0		59.8	31-112				
Phenol	4.31	5.00	"	25.0		17.2	10-37				
Pyrene	14.9	0.0500	"	25.0		59.7	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH80023 - EPA 3510C

LCS (BH80023-BS1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

Surrogate: 2-Fluorophenol	17.0		ug/L	50.0		34.0	19.7-63.1				
Surrogate: Phenol-d5	9.41		"	50.0		18.8	10.1-41.7				
Surrogate: Nitrobenzene-d5	14.4		"	25.0		57.6	50.2-113				
Surrogate: 2-Fluorobiphenyl	15.7		"	25.0		62.8	39.9-105				
Surrogate: 2,4,6-Tribromophenol	41.1		"	50.0		82.2	39.3-151				
Surrogate: Terphenyl-d14	19.6		"	25.0		78.6	30.7-106				

LCS (BH80023-BS2)

Prepared: 08/01/2018 Analyzed: 08/03/2018

Acenaphthene	0.390	0.0500	ug/L	1.00		39.0	24-114				
Acenaphthylene	0.430	0.0500	"	1.00		43.0	26-112				
Anthracene	0.470	0.0500	"	1.00		47.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.540	0.0500	"	1.00		54.0	38-127				
Benzo(a)pyrene	0.560	0.0500	"	1.00		56.0	30-146				
Benzo(b)fluoranthene	0.560	0.0500	"	1.00		56.0	36-145				
Benzo(g,h,i)perylene	0.510	0.0500	"	1.00		51.0	10-163				
Benzo(k)fluoranthene	0.500	0.0500	"	1.00		50.0	16-149				
Bis(2-ethylhexyl)phthalate	ND	0.500	"	1.00			10-171	Low Bias			
Chrysene	0.460	0.0500	"	1.00		46.0	33-120				
Dibenzo(a,h)anthracene	0.520	0.0500	"	1.00		52.0	10-149				
Fluoranthene	0.530	0.0500	"	1.00		53.0	33-126				
Fluorene	0.440	0.0500	"	1.00		44.0	28-117				
Hexachlorobenzene	0.390	0.0200	"	1.00		39.0	27-120				
Hexachlorobutadiene	ND	0.500	"	1.00			25-106	Low Bias			
Hexachloroethane	ND	0.500	"	1.00			33-84	Low Bias			
Indeno(1,2,3-cd)pyrene	0.520	0.0500	"	1.00		52.0	10-150				
Naphthalene	0.400	0.0500	"	1.00		40.0	30-99				
Nitrobenzene	0.450	0.250	"	1.00		45.0	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
Pentachlorophenol	0.710	0.250	"	1.00		71.0	19-127				
Phenanthrene	0.470	0.0500	"	1.00		47.0	31-112				
Pyrene	0.520	0.0500	"	1.00		52.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH80023 - EPA 3510C											
LCS Dup (BH80023-BSD1)											
Prepared: 08/01/2018 Analyzed: 08/02/2018											
1,1-Biphenyl	17.3	5.00	ug/L	25.0		69.2	21-102		23.7	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	15.9	5.00	"	25.0		63.6	28-105		8.18	20	
1,2,4-Trichlorobenzene	17.1	5.00	"	25.0		68.4	35-91		22.6	20	Non-dir.
1,2-Dichlorobenzene	14.1	5.00	"	25.0		56.5	42-85		12.9	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.0	5.00	"	25.0		71.9	16-137		18.9	20	
1,3-Dichlorobenzene	13.6	5.00	"	25.0		54.6	45-80		16.0	20	
1,4-Dichlorobenzene	13.6	5.00	"	25.0		54.5	42-82		14.6	20	
2,3,4,6-Tetrachlorophenol	40.8	5.00	"	25.0		163	30-130	High Bias	11.8	20	
2,4,5-Trichlorophenol	18.5	5.00	"	25.0		74.0	36-112		19.1	20	
2,4,6-Trichlorophenol	18.4	5.00	"	25.0		73.7	41-107		18.2	20	
2,4-Dichlorophenol	18.5	5.00	"	25.0		73.9	43-92		17.0	20	
2,4-Dimethylphenol	18.4	5.00	"	25.0		73.6	25-92		11.1	20	
2,4-Dinitrophenol	24.4	5.00	"	25.0		97.5	10-149		18.9	20	
2,4-Dinitrotoluene	19.5	5.00	"	25.0		77.8	41-114		20.8	20	Non-dir.
2,6-Dinitrotoluene	18.2	5.00	"	25.0		72.7	49-106		16.6	20	
2-Chloronaphthalene	17.1	5.00	"	25.0		68.4	40-96		17.1	20	
2-Chlorophenol	14.9	5.00	"	25.0		59.6	35-84		16.6	20	
2-Methylnaphthalene	16.8	5.00	"	25.0		67.4	33-101		15.8	20	
2-Methylphenol	12.3	5.00	"	25.0		49.2	10-90		4.74	20	
2-Nitroaniline	17.3	5.00	"	25.0		69.3	31-122		26.6	20	Non-dir.
2-Nitrophenol	18.8	5.00	"	25.0		75.3	37-97		22.8	20	Non-dir.
3- & 4-Methylphenols	10.0	5.00	"	25.0		40.1	10-101		9.95	20	
3,3-Dichlorobenzidine	22.3	5.00	"	25.0		89.3	25-155		10.5	20	
3-Nitroaniline	13.6	5.00	"	25.0		54.2	29-128		13.6	20	
4,6-Dinitro-2-methylphenol	23.3	5.00	"	25.0		93.3	10-135		20.4	20	Non-dir.
4-Bromophenyl phenyl ether	18.4	5.00	"	25.0		73.6	38-116		15.9	20	
4-Chloro-3-methylphenol	19.9	5.00	"	25.0		79.5	28-101		28.4	20	Non-dir.
4-Chloroaniline	9.05	5.00	"	25.0		36.2	10-154		0.111	20	
4-Chlorophenyl phenyl ether	17.6	5.00	"	25.0		70.5	34-112		13.9	20	
4-Nitroaniline	15.3	5.00	"	25.0		61.3	15-143		3.59	20	
4-Nitrophenol	8.92	5.00	"	25.0		35.7	10-112		20.5	20	Non-dir.
Acenaphthene	15.6	0.0500	"	25.0		62.4	24-114		19.8	20	
Acenaphthylene	14.3	0.0500	"	25.0		57.2	26-112		13.8	20	
Acetophenone	14.9	5.00	"	25.0		59.6	47-92		13.3	20	
Aniline	5.65	5.00	"	25.0		22.6	10-107		14.8	20	
Anthracene	17.5	0.0500	"	25.0		70.0	35-114		17.9	20	
Atrazine	19.8	0.500	"	25.0		79.1	43-101		24.8	20	Non-dir.
Benzaldehyde	17.0	5.00	"	25.0		68.1	17-117		17.6	20	
Benzo(a)anthracene	17.4	0.0500	"	25.0		69.4	38-127		12.8	20	
Benzo(a)pyrene	18.0	0.0500	"	25.0		72.1	30-146		14.3	20	
Benzo(b)fluoranthene	17.9	0.0500	"	25.0		71.4	36-145		18.4	20	
Benzo(g,h,i)perylene	19.4	0.0500	"	25.0		77.8	10-163		22.3	20	Non-dir.
Benzo(k)fluoranthene	18.0	0.0500	"	25.0		71.8	16-149		17.6	20	
Benzoic acid	ND	50.0	"	25.2			30-130	Low Bias		20	
Benzyl alcohol	10.8	5.00	"	25.0		43.4	18-75		14.2	20	
Benzyl butyl phthalate	18.8	5.00	"	25.0		75.4	28-129		12.9	20	
Bis(2-chloroethoxy)methane	18.0	5.00	"	25.0		72.0	27-112		23.6	20	Non-dir.
Bis(2-chloroethyl)ether	14.3	5.00	"	25.0		57.1	24-114		16.1	20	
Bis(2-chloroisopropyl)ether	19.7	5.00	"	25.0		78.8	21-124		9.02	20	
Bis(2-ethylhexyl)phthalate	17.5	0.500	"	25.0		69.9	10-171		11.1	20	
Caprolactam	3.39	5.00	"	25.0		13.6	10-29		1.17	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
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Batch BH80023 - EPA 3510C

LCS Dup (BH80023-BSD1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

Carbazole	21.3	5.00	ug/L	25.0		85.3	49-116		15.8	20	
Chrysene	16.3	0.0500	"	25.0		65.0	33-120		11.0	20	
Dibenzo(a,h)anthracene	19.4	0.0500	"	25.0		77.8	10-149		19.8	20	
Dibenzofuran	17.1	5.00	"	25.0		68.5	42-105		17.6	20	
Diethyl phthalate	20.0	5.00	"	25.0		79.9	38-112		22.0	20	Non-dir.
Dimethyl phthalate	18.5	5.00	"	25.0		74.0	49-106		16.3	20	
Di-n-butyl phthalate	19.0	5.00	"	25.0		76.2	36-110		18.2	20	
Di-n-octyl phthalate	18.1	5.00	"	25.0		72.5	12-149		20.2	20	Non-dir.
Fluoranthene	18.0	0.0500	"	25.0		72.0	33-126		16.2	20	
Fluorene	15.5	0.0500	"	25.0		62.1	28-117		10.8	20	
Hexachlorobenzene	19.5	0.0200	"	25.0		78.0	27-120		26.7	20	Non-dir.
Hexachlorobutadiene	16.0	0.500	"	25.0		63.8	25-106		21.1	20	Non-dir.
Hexachlorocyclopentadiene	14.6	5.00	"	25.0		58.2	10-99		8.68	20	
Hexachloroethane	13.2	0.500	"	25.0		53.0	33-84		13.1	20	
Indeno(1,2,3-cd)pyrene	15.7	0.0500	"	25.0		62.9	10-150		3.50	20	
Isophorone	17.9	5.00	"	25.0		71.5	29-115		11.9	20	
Naphthalene	14.2	0.0500	"	25.0		57.0	30-99		15.7	20	
Nitrobenzene	16.6	0.250	"	25.0		66.4	32-113		26.1	20	Non-dir.
N-Nitrosodimethylamine	6.26	0.500	"	25.0		25.0	10-63		3.58	20	
N-nitroso-di-n-propylamine	16.7	5.00	"	25.0		66.8	36-118		10.9	20	
N-Nitrosodiphenylamine	20.5	5.00	"	25.0		82.0	27-145		14.4	20	
Pentachlorophenol	20.4	0.250	"	25.0		81.6	19-127		17.2	20	
Phenanthrene	17.8	0.0500	"	25.0		71.0	31-112		17.1	20	
Phenol	5.77	5.00	"	25.0		23.1	10-37		29.0	20	Non-dir.
Pyrene	16.8	0.0500	"	25.0		67.1	42-125		11.6	20	
Surrogate: 2-Fluorophenol	21.0		"	50.0		42.0	19.7-63.1				
Surrogate: Phenol-d5	12.6		"	50.0		25.2	10.1-41.7				
Surrogate: Nitrobenzene-d5	19.1		"	25.0		76.4	50.2-113				
Surrogate: 2-Fluorobiphenyl	18.4		"	25.0		73.6	39.9-105				
Surrogate: 2,4,6-Tribromophenol	52.0		"	50.0		104	39.3-151				
Surrogate: Terphenyl-d14	23.9		"	25.0		95.8	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80044 - EPA 3550C

Blank (BH80044-BLK1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2,4-Trichlorobenzene	ND	0.0417	"								
1,2-Dichlorobenzene	ND	0.0417	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
1,3-Dichlorobenzene	ND	0.0417	"								
1,4-Dichlorobenzene	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80044 - EPA 3550C

Blank (BH80044-BLK1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

Caprolactam	ND	0.0833	mg/kg wet									
Carbazole	ND	0.0417	"									
Chrysene	ND	0.0417	"									
Dibenzo(a,h)anthracene	ND	0.0417	"									
Dibenzofuran	ND	0.0417	"									
Diethyl phthalate	ND	0.0417	"									
Dimethyl phthalate	ND	0.0417	"									
Di-n-butyl phthalate	ND	0.0417	"									
Di-n-octyl phthalate	ND	0.0417	"									
Fluoranthene	ND	0.0417	"									
Fluorene	ND	0.0417	"									
Hexachlorobenzene	ND	0.0417	"									
Hexachlorobutadiene	ND	0.0417	"									
Hexachlorocyclopentadiene	ND	0.0417	"									
Hexachloroethane	ND	0.0417	"									
Indeno(1,2,3-cd)pyrene	ND	0.0417	"									
Isophorone	ND	0.0417	"									
Naphthalene	ND	0.0417	"									
Nitrobenzene	ND	0.0417	"									
N-Nitrosodimethylamine	ND	0.0417	"									
N-nitroso-di-n-propylamine	ND	0.0417	"									
N-Nitrosodiphenylamine	ND	0.0417	"									
Pentachlorophenol	ND	0.0417	"									
Phenanthrene	ND	0.0417	"									
Phenol	ND	0.0417	"									
Pyrene	ND	0.0417	"									
Pyridine	ND	0.167	"									

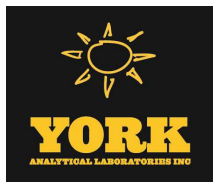
Surrogate: 2-Fluorophenol	0.934		"	1.67		56.0	20-108					
Surrogate: Phenol-d5	0.971		"	1.67		58.2	23-114					
Surrogate: Nitrobenzene-d5	0.591		"	0.833		71.0	22-108					
Surrogate: 2-Fluorobiphenyl	0.559		"	0.833		67.0	21-113					
Surrogate: 2,4,6-Tribromophenol	1.60		"	1.67		96.1	19-110					
Surrogate: Terphenyl-d14	0.690		"	0.833		82.8	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 BH80044 - EPA 3550C											
LCS (BH80044-BS1)											
Prepared: 08/01/2018 Analyzed: 08/02/2018											
1,1-Biphenyl	0.520	0.0417	mg/kg wet	0.833		62.4	22-103				
1,2,4,5-Tetrachlorobenzene	0.589	0.0833	"	0.833		70.7	10-144				
1,2,4-Trichlorobenzene	0.531	0.0417	"	0.833		63.7	23-130				
1,2-Dichlorobenzene	0.444	0.0417	"	0.833		53.2	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	0.465	0.0417	"	0.833		55.8	10-140				
1,3-Dichlorobenzene	0.417	0.0417	"	0.833		50.1	32-113				
1,4-Dichlorobenzene	0.418	0.0417	"	0.833		50.1	28-111				
2,3,4,6-Tetrachlorophenol	1.37	0.0833	"	0.833		164	30-130	High Bias			
2,4,5-Trichlorophenol	0.572	0.0417	"	0.833		68.7	14-138				
2,4,6-Trichlorophenol	0.564	0.0417	"	0.833		67.7	27-122				
2,4-Dichlorophenol	0.513	0.0417	"	0.833		61.5	23-133				
2,4-Dimethylphenol	0.492	0.0417	"	0.833		59.0	15-131				
2,4-Dinitrophenol	0.692	0.0833	"	0.833		83.0	10-149				
2,4-Dinitrotoluene	0.530	0.0417	"	0.833		63.6	30-123				
2,6-Dinitrotoluene	0.515	0.0417	"	0.833		61.8	30-125				
2-Chloronaphthalene	0.459	0.0417	"	0.833		55.1	22-115				
2-Chlorophenol	0.418	0.0417	"	0.833		50.1	25-121				
2-Methylnaphthalene	0.483	0.0417	"	0.833		57.9	16-127				
2-Methylphenol	0.500	0.0417	"	0.833		60.0	10-146				
2-Nitroaniline	0.417	0.0833	"	0.833		50.1	24-126				
2-Nitrophenol	0.578	0.0417	"	0.833		69.4	17-129				
3- & 4-Methylphenols	0.402	0.0417	"	0.833		48.2	20-109				
3,3-Dichlorobenzidine	0.404	0.0417	"	0.833		48.4	10-147				
3-Nitroaniline	0.373	0.0833	"	0.833		44.8	23-123				
4,6-Dinitro-2-methylphenol	0.724	0.0833	"	0.833		86.9	10-149				
4-Bromophenyl phenyl ether	0.545	0.0417	"	0.833		65.4	30-138				
4-Chloro-3-methylphenol	0.512	0.0417	"	0.833		61.5	16-138				
4-Chloroaniline	0.346	0.0417	"	0.833		41.5	10-117				
4-Chlorophenyl phenyl ether	0.517	0.0417	"	0.833		62.0	18-132				
4-Nitroaniline	0.412	0.0833	"	0.833		49.4	14-125				
4-Nitrophenol	0.629	0.0833	"	0.833		75.4	10-136				
Acenaphthene	0.413	0.0417	"	0.833		49.6	17-124				
Acenaphthylene	0.403	0.0417	"	0.833		48.4	16-124				
Acetophenone	0.482	0.0417	"	0.833		57.8	28-105				
Aniline	0.373	0.167	"	0.833		44.8	10-111				
Anthracene	0.450	0.0417	"	0.833		54.0	24-124				
Atrazine	0.553	0.0417	"	0.833		66.4	22-120				
Benzaldehyde	0.466	0.0417	"	0.833		55.9	21-100				
Benzo(a)anthracene	0.439	0.0417	"	0.833		52.6	25-134				
Benzo(a)pyrene	0.403	0.0417	"	0.833		48.4	29-144				
Benzo(b)fluoranthene	0.422	0.0417	"	0.833		50.6	20-151				
Benzo(g,h,i)perylene	0.491	0.0417	"	0.833		58.9	10-153				
Benzo(k)fluoranthene	0.406	0.0417	"	0.833		48.7	10-148				
Benzoic acid	0.288	0.0417	"	0.842		34.2	10-116				
Benzyl alcohol	0.392	0.0417	"	0.833		47.0	17-128				
Benzyl butyl phthalate	0.445	0.0417	"	0.833		53.4	10-132				
Bis(2-chloroethoxy)methane	0.433	0.0417	"	0.833		51.9	10-129				
Bis(2-chloroethyl)ether	0.423	0.0417	"	0.833		50.7	14-125				
Bis(2-chloroisopropyl)ether	0.353	0.0417	"	0.833		42.4	14-122				
Bis(2-ethylhexyl)phthalate	0.439	0.0417	"	0.833		52.7	10-141				
Caprolactam	0.376	0.0833	"	0.833		45.1	10-123				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

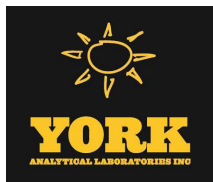
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH80044 - EPA 3550C

LCS (BH80044-BS1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

Carbazole	0.457	0.0417	mg/kg wet	0.833		54.8	31-120				
Chrysene	0.458	0.0417	"	0.833		55.0	24-116				
Dibenzo(a,h)anthracene	0.502	0.0417	"	0.833		60.2	17-147				
Dibenzofuran	0.435	0.0417	"	0.833		52.2	23-123				
Diethyl phthalate	0.467	0.0417	"	0.833		56.1	23-122				
Dimethyl phthalate	0.493	0.0417	"	0.833		59.1	28-127				
Di-n-butyl phthalate	0.428	0.0417	"	0.833		51.4	19-123				
Di-n-octyl phthalate	0.415	0.0417	"	0.833		49.8	10-132				
Fluoranthene	0.458	0.0417	"	0.833		55.0	36-125				
Fluorene	0.449	0.0417	"	0.833		53.9	16-130				
Hexachlorobenzene	0.494	0.0417	"	0.833		59.3	10-129				
Hexachlorobutadiene	0.596	0.0417	"	0.833		71.5	22-153				
Hexachlorocyclopentadiene	0.476	0.0417	"	0.833		57.1	10-134				
Hexachloroethane	0.450	0.0417	"	0.833		54.0	20-112				
Indeno(1,2,3-cd)pyrene	0.475	0.0417	"	0.833		57.0	10-155				
Isophorone	0.501	0.0417	"	0.833		60.2	14-131				
Naphthalene	0.443	0.0417	"	0.833		53.2	20-121				
Nitrobenzene	0.519	0.0417	"	0.833		62.3	20-121				
N-Nitrosodimethylamine	0.417	0.0417	"	0.833		50.0	10-124				
N-nitroso-di-n-propylamine	0.427	0.0417	"	0.833		51.3	21-119				
N-Nitrosodiphenylamine	0.511	0.0417	"	0.833		61.4	10-163				
Pentachlorophenol	0.449	0.0417	"	0.833		53.8	10-143				
Phenanthrene	0.450	0.0417	"	0.833		54.0	24-123				
Phenol	0.511	0.0417	"	0.833		61.3	15-123				
Pyrene	0.467	0.0417	"	0.833		56.0	24-132				
Pyridine	0.443	0.167	"	0.833		53.2	10-92				
Surrogate: 2-Fluorophenol	0.851		"	1.67		51.1	20-108				
Surrogate: Phenol-d5	0.898		"	1.67		53.9	23-114				
Surrogate: Nitrobenzene-d5	0.541		"	0.833		65.0	22-108				
Surrogate: 2-Fluorobiphenyl	0.529		"	0.833		63.5	21-113				
Surrogate: 2,4,6-Tribromophenol	1.50		"	1.67		89.7	19-110				
Surrogate: Terphenyl-d14	0.632		"	0.833		75.8	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 BH80044 - EPA 3550C											
Matrix Spike (BH80044-MS1)	*Source sample: 18G1213-13 (SB-5 (23-25))						Prepared: 08/01/2018 Analyzed: 08/02/2018				
1,1-Biphenyl	0.418	0.0889	mg/kg dry	0.888	ND	47.0	24-112				
1,2,4,5-Tetrachlorobenzene	0.438	0.178	"	0.888	ND	49.4	18-152				
1,2,4-Trichlorobenzene	0.372	0.0889	"	0.888	ND	41.9	15-139				
1,2-Dichlorobenzene	0.301	0.0889	"	0.888	ND	33.9	29-106				
1,2-Diphenylhydrazine (as Azobenzene)	0.485	0.0889	"	0.888	ND	54.6	10-135				
1,3-Dichlorobenzene	0.313	0.0889	"	0.888	ND	35.2	34-100				
1,4-Dichlorobenzene	0.313	0.0889	"	0.888	ND	35.3	26-107				
2,3,4,6-Tetrachlorophenol	1.36	0.178	"	0.888	ND	153	30-130	High Bias			
2,4,5-Trichlorophenol	0.572	0.0889	"	0.888	ND	64.4	10-148				
2,4,6-Trichlorophenol	0.543	0.0889	"	0.888	ND	61.2	12-138				
2,4-Dichlorophenol	0.456	0.0889	"	0.888	ND	51.4	16-144				
2,4-Dimethylphenol	0.308	0.0889	"	0.888	ND	34.7	11-133				
2,4-Dinitrophenol	ND	0.178	"	0.888	ND		10-132	Low Bias			
2,4-Dinitrotoluene	0.615	0.0889	"	0.888	ND	69.3	42-113				
2,6-Dinitrotoluene	0.494	0.0889	"	0.888	ND	55.7	36-124				
2-Chloronaphthalene	0.391	0.0889	"	0.888	ND	44.0	31-116				
2-Chlorophenol	0.289	0.0889	"	0.888	ND	32.6	28-114				
2-Methylnaphthalene	0.389	0.0889	"	0.888	ND	43.8	10-143				
2-Methylphenol	0.308	0.0889	"	0.888	ND	34.7	10-160				
2-Nitroaniline	0.391	0.178	"	0.888	ND	44.0	33-122				
2-Nitrophenol	0.313	0.0889	"	0.888	ND	35.3	12-127				
3- & 4-Methylphenols	0.319	0.0889	"	0.888	ND	35.9	16-115				
3,3-Dichlorobenzidine	0.413	0.0889	"	0.888	ND	46.6	10-134				
3-Nitroaniline	0.414	0.178	"	0.888	ND	46.6	24-128				
4,6-Dinitro-2-methylphenol	0.327	0.178	"	0.888	ND	36.8	10-149				
4-Bromophenyl phenyl ether	0.556	0.0889	"	0.888	ND	62.6	32-148				
4-Chloro-3-methylphenol	0.565	0.0889	"	0.888	ND	63.7	14-138				
4-Chloroaniline	0.298	0.0889	"	0.888	ND	33.6	10-124				
4-Chlorophenyl phenyl ether	0.523	0.0889	"	0.888	ND	58.9	10-153				
4-Nitroaniline	0.453	0.178	"	0.888	ND	51.0	10-151				
4-Nitrophenol	0.705	0.178	"	0.888	ND	79.4	10-141				
Acenaphthene	0.379	0.0889	"	0.888	ND	42.7	13-133				
Acenaphthylene	0.373	0.0889	"	0.888	ND	42.0	25-125				
Acetophenone	0.325	0.0889	"	0.888	ND	36.6	25-105				
Aniline	0.232	0.356	"	0.888	ND	26.1	10-112				
Anthracene	0.470	0.0889	"	0.888	ND	53.0	27-128				
Atrazine	0.585	0.0889	"	0.888	ND	65.9	10-139				
Benzaldehyde	0.283	0.0889	"	0.888	ND	31.8	24-96				
Benzo(a)anthracene	0.506	0.0889	"	0.888	ND	57.0	20-147				
Benzo(a)pyrene	0.495	0.0889	"	0.888	ND	55.8	18-153				
Benzo(b)fluoranthene	0.487	0.0889	"	0.888	ND	54.8	10-163				
Benzo(g,h,i)perylene	0.520	0.0889	"	0.888	ND	58.6	10-157				
Benzo(k)fluoranthene	0.470	0.0889	"	0.888	ND	53.0	10-157				
Benzoic acid	0.750	0.0889	"	0.897	ND	83.6	10-130				
Benzyl alcohol	0.294	0.0889	"	0.888	ND	33.1	20-122				
Benzyl butyl phthalate	0.469	0.0889	"	0.888	ND	52.8	10-129				
Bis(2-chloroethoxy)methane	0.266	0.0889	"	0.888	ND	30.0	12-128				
Bis(2-chloroethyl)ether	0.293	0.0889	"	0.888	ND	33.0	18-113				
Bis(2-chloroisopropyl)ether	0.206	0.0889	"	0.888	ND	23.2	10-130				
Bis(2-ethylhexyl)phthalate	0.460	0.0889	"	0.888	ND	51.8	10-138				
Caprolactam	0.560	0.178	"	0.888	ND	63.1	10-100				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

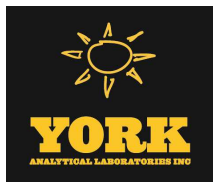
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH80044 - EPA 3550C

Matrix Spike (BH80044-MS1) *Source sample: 18G1213-13 (SB-5 (23-25)) Prepared: 08/01/2018 Analyzed: 08/02/2018

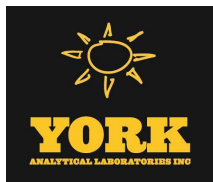
Carbazole	0.514	0.0889	mg/kg dry	0.888	ND	57.9	24-139				
Chrysene	0.529	0.0889	"	0.888	ND	59.6	18-133				
Dibenzo(a,h)anthracene	0.530	0.0889	"	0.888	ND	59.7	10-146				
Dibenzofuran	0.409	0.0889	"	0.888	ND	46.1	26-134				
Diethyl phthalate	0.468	0.0889	"	0.888	ND	52.7	30-119				
Dimethyl phthalate	0.467	0.0889	"	0.888	ND	52.6	34-120				
Di-n-butyl phthalate	0.461	0.0889	"	0.888	ND	51.9	20-128				
Di-n-octyl phthalate	0.447	0.0889	"	0.888	ND	50.4	10-133				
Fluoranthene	0.558	0.0889	"	0.888	ND	62.9	10-155				
Fluorene	0.433	0.0889	"	0.888	ND	48.8	12-150				
Hexachlorobenzene	0.533	0.0889	"	0.888	ND	60.0	16-142				
Hexachlorobutadiene	0.427	0.0889	"	0.888	ND	48.1	11-150				
Hexachlorocyclopentadiene	0.198	0.0889	"	0.888	ND	22.3	10-115				
Hexachloroethane	0.297	0.0889	"	0.888	ND	33.4	14-106				
Indeno(1,2,3-cd)pyrene	0.543	0.0889	"	0.888	ND	61.1	10-155				
Isophorone	0.313	0.0889	"	0.888	ND	35.2	14-127				
Naphthalene	0.305	0.0889	"	0.888	ND	34.4	15-132				
Nitrobenzene	0.298	0.0889	"	0.888	ND	33.5	18-125				
N-Nitrosodimethylamine	0.291	0.0889	"	0.888	ND	32.8	10-123				
N-nitroso-di-n-propylamine	0.307	0.0889	"	0.888	ND	34.6	23-115				
N-Nitrosodiphenylamine	0.560	0.0889	"	0.888	ND	63.1	16-166				
Pentachlorophenol	0.362	0.0889	"	0.888	ND	40.7	10-160				
Phenanthrene	0.482	0.0889	"	0.888	ND	54.2	10-151				
Phenol	0.328	0.0889	"	0.888	ND	37.0	11-124				
Pyrene	0.493	0.0889	"	0.888	ND	55.5	13-148				
Pyridine	0.178	0.356	"	0.888	ND		10-125				Low Bias
Surrogate: 2-Fluorophenol	0.548		"	1.78		30.8	20-108				
Surrogate: Phenol-d5	0.565		"	1.78		31.8	23-114				
Surrogate: Nitrobenzene-d5	0.310		"	0.888		34.9	22-108				
Surrogate: 2-Fluorobiphenyl	0.401		"	0.888		45.1	21-113				
Surrogate: 2,4,6-Tribromophenol	1.44		"	1.78		80.8	19-110				
Surrogate: Terphenyl-d14	0.647		"	0.888		72.9	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 BH80044 - EPA 3550C											
Matrix Spike Dup (BH80044-MSD1)	*Source sample: 18G1213-13 (SB-5 (23-25))						Prepared: 08/01/2018 Analyzed: 08/02/2018				
1,1-Biphenyl	0.485	0.0889	mg/kg dry	0.888	ND	54.6	24-112		14.9	30	
1,2,4,5-Tetrachlorobenzene	0.509	0.178	"	0.888	ND	57.4	18-152		15.0	30	
1,2,4-Trichlorobenzene	0.483	0.0889	"	0.888	ND	54.4	15-139		25.9	30	
1,2-Dichlorobenzene	0.374	0.0889	"	0.888	ND	42.2	29-106		21.7	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.454	0.0889	"	0.888	ND	51.1	10-135		6.66	30	
1,3-Dichlorobenzene	0.348	0.0889	"	0.888	ND	39.2	34-100		10.8	30	
1,4-Dichlorobenzene	0.402	0.0889	"	0.888	ND	45.3	26-107		24.8	30	
2,3,4,6-Tetrachlorophenol	1.37	0.178	"	0.888	ND	154	30-130	High Bias	0.731	30	
2,4,5-Trichlorophenol	0.600	0.0889	"	0.888	ND	67.6	10-148		4.85	30	
2,4,6-Trichlorophenol	0.553	0.0889	"	0.888	ND	62.2	12-138		1.69	30	
2,4-Dichlorophenol	0.440	0.0889	"	0.888	ND	49.6	16-144		3.49	30	
2,4-Dimethylphenol	0.438	0.0889	"	0.888	ND	49.4	11-133		34.8	30	Non-dir.
2,4-Dinitrophenol	ND	0.178	"	0.888	ND		10-132	Low Bias		30	
2,4-Dinitrotoluene	0.594	0.0889	"	0.888	ND	66.9	42-113		3.53	30	
2,6-Dinitrotoluene	0.533	0.0889	"	0.888	ND	60.0	36-124		7.47	30	
2-Chloronaphthalene	0.457	0.0889	"	0.888	ND	51.4	31-116		15.6	30	
2-Chlorophenol	0.350	0.0889	"	0.888	ND	39.4	28-114		19.1	30	
2-Methylnaphthalene	0.477	0.0889	"	0.888	ND	53.7	10-143		20.2	30	
2-Methylphenol	0.341	0.0889	"	0.888	ND	38.4	10-160		10.1	30	
2-Nitroaniline	0.433	0.178	"	0.888	ND	48.8	33-122		10.3	30	
2-Nitrophenol	0.465	0.0889	"	0.888	ND	52.3	12-127		38.9	30	Non-dir.
3- & 4-Methylphenols	0.360	0.0889	"	0.888	ND	40.6	16-115		12.1	30	
3,3-Dichlorobenzidine	0.392	0.0889	"	0.888	ND	44.2	10-134		5.29	30	
3-Nitroaniline	0.413	0.178	"	0.888	ND	46.6	24-128		0.172	30	
4,6-Dinitro-2-methylphenol	0.362	0.178	"	0.888	ND	40.7	10-149		10.1	30	
4-Bromophenyl phenyl ether	0.607	0.0889	"	0.888	ND	68.3	32-148		8.67	30	
4-Chloro-3-methylphenol	0.569	0.0889	"	0.888	ND	64.1	14-138		0.626	30	
4-Chloroaniline	0.329	0.0889	"	0.888	ND	37.0	10-124		9.74	30	
4-Chlorophenyl phenyl ether	0.563	0.0889	"	0.888	ND	63.4	10-153		7.46	30	
4-Nitroaniline	0.486	0.178	"	0.888	ND	54.7	10-151		6.96	30	
4-Nitrophenol	0.588	0.178	"	0.888	ND	66.2	10-141		18.1	30	
Acenaphthene	0.452	0.0889	"	0.888	ND	51.0	13-133		17.6	30	
Acenaphthylene	0.415	0.0889	"	0.888	ND	46.7	25-125		10.6	30	
Acetophenone	0.391	0.0889	"	0.888	ND	44.1	25-105		18.7	30	
Aniline	0.271	0.356	"	0.888	ND	30.5	10-112		15.6	30	
Anthracene	0.461	0.0889	"	0.888	ND	51.9	27-128		1.98	30	
Atrazine	0.562	0.0889	"	0.888	ND	63.3	10-139		4.09	30	
Benzaldehyde	0.386	0.0889	"	0.888	ND	43.4	24-96		30.8	30	Non-dir.
Benzo(a)anthracene	0.500	0.0889	"	0.888	ND	56.3	20-147		1.27	30	
Benzo(a)pyrene	0.525	0.0889	"	0.888	ND	59.1	18-153		5.85	30	
Benzo(b)fluoranthene	0.532	0.0889	"	0.888	ND	59.9	10-163		8.93	30	
Benzo(g,h,i)perylene	0.569	0.0889	"	0.888	ND	64.1	10-157		9.00	30	
Benzo(k)fluoranthene	0.510	0.0889	"	0.888	ND	57.4	10-157		8.12	30	
Benzoic acid	1.11	0.0889	"	0.897	ND	124	10-130		38.6	30	Non-dir.
Benzyl alcohol	0.326	0.0889	"	0.888	ND	36.7	20-122		10.3	30	
Benzyl butyl phthalate	0.453	0.0889	"	0.888	ND	51.0	10-129		3.39	30	
Bis(2-chloroethoxy)methane	0.341	0.0889	"	0.888	ND	38.4	12-128		24.6	30	
Bis(2-chloroethyl)ether	0.370	0.0889	"	0.888	ND	41.7	18-113		23.4	30	
Bis(2-chloroisopropyl)ether	0.261	0.0889	"	0.888	ND	29.4	10-130		23.7	30	
Bis(2-ethylhexyl)phthalate	0.440	0.0889	"	0.888	ND	49.6	10-138		4.42	30	
Caprolactam	0.477	0.178	"	0.888	ND	53.7	10-100		16.2	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
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Batch BH80044 - EPA 3550C

Matrix Spike Dup (BH80044-MSD1)	*Source sample: 18G1213-13 (SB-5 (23-25))					Prepared: 08/01/2018 Analyzed: 08/02/2018					
Carbazole	0.506	0.0889	mg/kg dry	0.888	ND	57.0	24-139		1.67	30	
Chrysene	0.523	0.0889	"	0.888	ND	58.9	18-133		1.22	30	
Dibenzo(a,h)anthracene	0.549	0.0889	"	0.888	ND	61.8	10-146		3.55	30	
Dibenzofuran	0.447	0.0889	"	0.888	ND	50.3	26-134		8.80	30	
Diethyl phthalate	0.501	0.0889	"	0.888	ND	56.4	30-119		6.74	30	
Dimethyl phthalate	0.484	0.0889	"	0.888	ND	54.5	34-120		3.59	30	
Di-n-butyl phthalate	0.449	0.0889	"	0.888	ND	50.6	20-128		2.65	30	
Di-n-octyl phthalate	0.447	0.0889	"	0.888	ND	50.4	10-133		0.00	30	
Fluoranthene	0.540	0.0889	"	0.888	ND	60.8	10-155		3.36	30	
Fluorene	0.479	0.0889	"	0.888	ND	53.9	12-150		9.97	30	
Hexachlorobenzene	0.511	0.0889	"	0.888	ND	57.6	16-142		4.08	30	
Hexachlorobutadiene	0.555	0.0889	"	0.888	ND	62.5	11-150		26.0	30	
Hexachlorocyclopentadiene	0.249	0.0889	"	0.888	ND	28.0	10-115		22.6	30	
Hexachloroethane	0.349	0.0889	"	0.888	ND	39.4	14-106		16.3	30	
Indeno(1,2,3-cd)pyrene	0.546	0.0889	"	0.888	ND	61.4	10-155		0.522	30	
Isophorone	0.396	0.0889	"	0.888	ND	44.6	14-127		23.6	30	
Naphthalene	0.373	0.0889	"	0.888	ND	42.0	15-132		19.9	30	
Nitrobenzene	0.457	0.0889	"	0.888	ND	51.5	18-125		42.3	30	Non-dir.
N-Nitrosodimethylamine	0.392	0.0889	"	0.888	ND	44.2	10-123		29.5	30	
N-nitroso-di-n-propylamine	0.347	0.0889	"	0.888	ND	39.0	23-115		12.2	30	
N-Nitrosodiphenylamine	0.617	0.0889	"	0.888	ND	69.5	16-166		9.65	30	
Pentachlorophenol	0.391	0.0889	"	0.888	ND	44.0	10-160		7.74	30	
Phenanthrene	0.477	0.0889	"	0.888	ND	53.8	10-151		0.889	30	
Phenol	0.379	0.0889	"	0.888	ND	42.7	11-124		14.5	30	
Pyrene	0.485	0.0889	"	0.888	ND	54.6	13-148		1.60	30	
Pyridine	0.408	0.356	"	0.888	ND	46.0	10-125			30	
Surrogate: 2-Fluorophenol	0.607		"	1.78		34.2	20-108				
Surrogate: Phenol-d5	0.693		"	1.78		39.0	23-114				
Surrogate: Nitrobenzene-d5	0.420		"	0.888		47.4	22-108				
Surrogate: 2-Fluorobiphenyl	0.502		"	0.888		56.6	21-113				
Surrogate: 2,4,6-Tribromophenol	1.56		"	1.78		88.1	19-110				
Surrogate: Terphenyl-d14	0.619		"	0.888		69.7	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81374 - EPA SW846-3510C Low Level

Blank (BG81374-BLK1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								

<i>Surrogate: Decachlorobiphenyl</i>	0.142		"	0.209	67.7	30-150					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.196		"	0.202	96.9	30-150					

LCS (BG81374-BS1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

4,4'-DDD	0.118	0.00400	ug/L	0.100	118	40-140					
4,4'-DDE	0.0988	0.00400	"	0.100	98.8	40-140					
4,4'-DDT	0.117	0.00400	"	0.100	117	40-140					
Aldrin	0.119	0.00400	"	0.100	119	40-140					
alpha-BHC	0.130	0.00400	"	0.100	130	40-140					
alpha-Chlordane	0.115	0.00400	"	0.100	115	40-140					
beta-BHC	0.128	0.00400	"	0.100	128	40-140					
delta-BHC	0.135	0.00400	"	0.100	135	40-140					
Dieldrin	0.113	0.00200	"	0.100	113	40-140					
Endosulfan I	0.117	0.00400	"	0.100	117	40-140					
Endosulfan II	0.115	0.00400	"	0.100	115	40-140					
Endosulfan sulfate	0.120	0.00400	"	0.100	120	40-140					
Endrin	0.116	0.00400	"	0.100	116	40-140					
Endrin aldehyde	0.135	0.0100	"	0.100	135	40-140					
Endrin ketone	0.116	0.0100	"	0.100	116	40-140					
gamma-BHC (Lindane)	0.120	0.00400	"	0.100	120	40-140					
gamma-Chlordane	0.112	0.0100	"	0.100	112	40-140					
Heptachlor	0.116	0.00400	"	0.100	116	40-140					
Heptachlor epoxide	0.114	0.00400	"	0.100	114	40-140					
Methoxychlor	0.120	0.00400	"	0.100	120	40-140					

<i>Surrogate: Decachlorobiphenyl</i>	0.184		"	0.209	88.0	30-150					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.218		"	0.202	108	30-150					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG81374 - EPA SW846-3510C Low Level

LCS Dup (BG81374-BSD1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

4,4'-DDD	0.119	0.00400	ug/L	0.100		119	40-140		0.957	20	
4,4'-DDE	0.100	0.00400	"	0.100		100	40-140		1.33	20	
4,4'-DDT	0.117	0.00400	"	0.100		117	40-140		0.241	20	
Aldrin	0.111	0.00400	"	0.100		111	40-140		6.47	20	
alpha-BHC	0.134	0.00400	"	0.100		134	40-140		3.20	20	
alpha-Chlordane	0.121	0.00400	"	0.100		121	40-140		4.79	20	
beta-BHC	0.127	0.00400	"	0.100		127	40-140		0.862	20	
delta-BHC	0.135	0.00400	"	0.100		135	40-140		0.273	20	
Dieldrin	0.118	0.00200	"	0.100		118	40-140		4.18	20	
Endosulfan I	0.108	0.00400	"	0.100		108	40-140		7.37	20	
Endosulfan II	0.117	0.00400	"	0.100		117	40-140		1.81	20	
Endosulfan sulfate	0.118	0.00400	"	0.100		118	40-140		2.04	20	
Endrin	0.120	0.00400	"	0.100		120	40-140		3.46	20	
Endrin aldehyde	0.137	0.0100	"	0.100		137	40-140		1.34	20	
Endrin ketone	0.119	0.0100	"	0.100		119	40-140		3.09	20	
gamma-BHC (Lindane)	0.119	0.00400	"	0.100		119	40-140		0.956	20	
gamma-Chlordane	0.117	0.0100	"	0.100		117	40-140		4.59	20	
Heptachlor	0.120	0.00400	"	0.100		120	40-140		3.26	20	
Heptachlor epoxide	0.118	0.00400	"	0.100		118	40-140		3.74	20	
Methoxychlor	0.116	0.00400	"	0.100		116	40-140		3.12	20	
Surrogate: Decachlorobiphenyl	0.188		"	0.209		90.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.225		"	0.202		111	30-150				

Batch BG81443 - EPA 3550C

Blank (BG81443-BLK1)

Prepared & Analyzed: 07/31/2018

4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	6.60	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Decachlorobiphenyl	65.0		"	67.0		97.0	30-150				
Surrogate: Tetrachloro-m-xylene	74.4		"	67.3		110	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81443 - EPA 3550C

LCS (BG81443-BS1)

Prepared & Analyzed: 07/31/2018

4,4'-DDD	44.2	0.330	ug/kg wet	33.3		133	40-140				
4,4'-DDE	40.6	0.330	"	33.3		122	40-140				
4,4'-DDT	40.3	0.330	"	33.3		121	40-140				
Aldrin	42.5	0.330	"	33.3		127	40-140				
alpha-BHC	46.4	0.330	"	33.3		139	40-140				
alpha-Chlordane	39.8	0.330	"	33.3		119	40-140				
beta-BHC	46.1	0.330	"	33.3		138	40-140				
delta-BHC	46.3	0.330	"	33.3		139	40-140				
Dieldrin	42.3	0.330	"	33.3		127	40-140				
Endosulfan I	43.0	0.330	"	33.3		129	40-140				
Endosulfan II	42.3	0.330	"	33.3		127	40-140				
Endosulfan sulfate	42.6	0.330	"	33.3		128	40-140				
Endrin	40.0	0.330	"	33.3		120	40-140				
Endrin aldehyde	46.5	0.330	"	33.3		140	40-140				
Endrin ketone	43.7	0.330	"	33.3		131	40-140				
gamma-BHC (Lindane)	44.0	0.330	"	33.3		132	40-140				
gamma-Chlordane	38.8	0.330	"	33.3		116	40-140				
Heptachlor	37.4	0.330	"	33.3		112	40-140				
Heptachlor epoxide	39.3	0.330	"	33.3		118	40-140				
Methoxychlor	36.8	1.65	"	33.3		110	40-140				
Surrogate: Decachlorobiphenyl	58.4		"	67.0		87.2	30-150				
Surrogate: Tetrachloro-m-xylene	70.9		"	67.3		105	30-150				

Batch BH80046 - EPA 3550C

Blank (BH80046-BLK1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
alpha-Chlordane	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	6.60	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
gamma-Chlordane	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Decachlorobiphenyl	51.3		"	66.7		77.0	30-150				
Surrogate: Tetrachloro-m-xylene	69.4		"	66.7		104	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BH80046 - EPA 3550C

LCS (BH80046-BS1)

Prepared: 08/01/2018 Analyzed: 08/02/2018

4,4'-DDD	39.6	0.330	ug/kg wet	33.3		119		40-140			
4,4'-DDE	25.7	0.330	"	33.3		77.2		40-140			
4,4'-DDT	42.4	0.330	"	33.3		127		40-140			
Aldrin	39.8	0.330	"	33.3		120		40-140			
alpha-BHC	43.5	0.330	"	33.3		130		40-140			
alpha-Chlordane	37.4	0.330	"	33.3		112		40-140			
beta-BHC	44.8	0.330	"	33.3		134		40-140			
delta-BHC	44.7	0.330	"	33.3		134		40-140			
Dieldrin	39.9	0.330	"	33.3		120		40-140			
Endosulfan I	41.5	0.330	"	33.3		125		40-140			
Endosulfan II	39.9	0.330	"	33.3		120		40-140			
Endosulfan sulfate	41.4	0.330	"	33.3		124		40-140			
Endrin	39.7	0.330	"	33.3		119		40-140			
Endrin aldehyde	42.5	0.330	"	33.3		128		40-140			
Endrin ketone	39.2	0.330	"	33.3		118		40-140			
gamma-BHC (Lindane)	41.3	0.330	"	33.3		124		40-140			
gamma-Chlordane	36.2	0.330	"	33.3		108		40-140			
Heptachlor	38.4	0.330	"	33.3		115		40-140			
Heptachlor epoxide	36.8	0.330	"	33.3		110		40-140			
Methoxychlor	37.3	1.65	"	33.3		112		40-140			
<i>Surrogate: Decachlorobiphenyl</i>	<i>55.4</i>		<i>"</i>	<i>66.7</i>		<i>83.1</i>		<i>30-150</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>66.5</i>		<i>"</i>	<i>66.7</i>		<i>99.8</i>		<i>30-150</i>			

Batch Y8G3102 - BE80295

Performance Mix (Y8G3102-PEM1)

Prepared & Analyzed: 07/30/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200			
4,4'-DDE	3.16		"	0.00				0-200			
4,4'-DDT	200		"	200		99.9		0-200			
Endrin	131		"	100		131		0-200			
Endrin aldehyde	1.82		"	0.00				0-200			
Endrin ketone	2.13		"	0.00				0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8G3102 - BE80295

Performance Mix (Y8G3102-PEM2)

Prepared & Analyzed: 07/30/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDE	3.35		"	0.00				0-200					
4,4'-DDT	263		"	200		132		0-200					
Endrin	161		"	100		161		0-200					
Endrin aldehyde	1.31		"	0.00				0-200					
Endrin ketone	3.03		"	0.00				0-200					

Batch Y8H0101 - BG81413

Performance Mix (Y8H0101-PEM1)

Prepared & Analyzed: 07/31/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDE	3.42		"	0.00				0-200					
4,4'-DDT	331		"	200		166		0-200					
Endrin	191		"	100		191		0-200					
Endrin aldehyde	1.47		"	0.00				0-200					
Endrin ketone	4.33		"	0.00				0-200					

Performance Mix (Y8H0101-PEM2)

Prepared & Analyzed: 07/31/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDE	4.25		"	0.00				0-200					
4,4'-DDT	365		"	200		183		0-200					
Endrin	221		"	100		221		0-200	High Bias				
Endrin aldehyde	2.43		"	0.00				0-200					
Endrin ketone	7.34		"	0.00				0-200					

Batch Y8H0206 - BG81412

Performance Mix (Y8H0206-PEM1)

Prepared & Analyzed: 08/01/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDE	3.25		"	0.00				0-200					
4,4'-DDT	264		"	200		132		0-200					
Endrin	162		"	100		162		0-200					
Endrin aldehyde	2.84		"	0.00				0-200					
Endrin ketone	5.42		"	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
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Batch Y8H0206 - BG81412

Performance Mix (Y8H0206-PEM2)

Prepared & Analyzed: 08/01/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	4.33		"	0.00			0-200				
4,4'-DDT	354		"	200		177	0-200				
Endrin	219		"	100		219	0-200	High Bias			
Endrin aldehyde	3.10		"	0.00			0-200				
Endrin ketone	8.42		"	0.00			0-200				

Batch Y8H0301 - BG81412

Performance Mix (Y8H0301-PEM1)

Prepared & Analyzed: 08/02/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	3.78		"	0.00			0-200				
4,4'-DDT	306		"	200		153	0-200				
Endrin	182		"	100		182	0-200				
Endrin aldehyde	2.35		"	0.00			0-200				
Endrin ketone	6.38		"	0.00			0-200				

Performance Mix (Y8H0301-PEM2)

Prepared & Analyzed: 08/02/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	3.55		"	0.00			0-200				
4,4'-DDT	277		"	200		139	0-200				
Endrin	169		"	100		169	0-200				
Endrin aldehyde	3.05		"	0.00			0-200				
Endrin ketone	6.14		"	0.00			0-200				

Batch Y8H0601 - BH80158

Performance Mix (Y8H0601-PEM1)

Prepared & Analyzed: 08/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.70		"	0.00			0-200				
4,4'-DDT	255		"	200		127	0-200				
Endrin	158		"	100		158	0-200				
Endrin aldehyde	2.87		"	0.00			0-200				
Endrin ketone	3.47		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81374 - EPA SW846-3510C Low Level

Blank (BG81374-BLK2)

Prepared & Analyzed: 07/30/2018

Aroclor 1016	ND	0.0500	ug/L										
Aroclor 1221	ND	0.0500	"										
Aroclor 1232	ND	0.0500	"										
Aroclor 1242	ND	0.0500	"										
Aroclor 1248	ND	0.0500	"										
Aroclor 1254	ND	0.0500	"										
Aroclor 1260	ND	0.0500	"										
Total PCBs	ND	0.0500	"										
<i>Surrogate: Tetrachloro-m-xylene</i>	0.185		"	0.202		91.6		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.167		"	0.209		79.9		30-120					

LCS (BG81374-BS2)

Prepared & Analyzed: 07/30/2018

Aroclor 1016	0.940	0.0500	ug/L	1.00		94.0		40-120					
Aroclor 1260	0.924	0.0500	"	1.00		92.4		40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.176		"	0.202		87.1		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.158		"	0.209		75.6		30-120					

LCS Dup (BG81374-BS2)

Prepared & Analyzed: 07/30/2018

Aroclor 1016	0.961	0.0500	ug/L	1.00		96.1		40-120	2.17	30			
Aroclor 1260	0.962	0.0500	"	1.00		96.2		40-120	4.11	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.176		"	0.202		87.1		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.168		"	0.209		80.4		30-120					

Batch BG81443 - EPA 3550C

Blank (BG81443-BLK2)

Prepared & Analyzed: 07/31/2018

Aroclor 1016	ND	0.0167	mg/kg wet										
Aroclor 1221	ND	0.0167	"										
Aroclor 1232	ND	0.0167	"										
Aroclor 1242	ND	0.0167	"										
Aroclor 1248	ND	0.0167	"										
Aroclor 1254	ND	0.0167	"										
Aroclor 1260	ND	0.0167	"										
Total PCBs	ND	0.0167	"										
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0630		"	0.0673		93.6		30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.0573		"	0.0670		85.6		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
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Batch BG81443 - EPA 3550C

LCS (BG81443-BS2)

Prepared & Analyzed: 07/31/2018

Aroclor 1016	0.334	0.0167	mg/kg wet	0.333		100	40-130				
Aroclor 1260	0.321	0.0167	"	0.333		96.3	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0583</i>		"	<i>0.0673</i>		<i>86.6</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0517</i>		"	<i>0.0670</i>		<i>77.1</i>	<i>30-140</i>				

Batch BH80046 - EPA 3550C

Blank (BH80046-BLK2)

Prepared: 08/01/2018 Analyzed: 08/02/2018

Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0603</i>		"	<i>0.0667</i>		<i>90.5</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0497</i>		"	<i>0.0667</i>		<i>74.5</i>	<i>30-140</i>				

LCS (BH80046-BS2)

Prepared: 08/01/2018 Analyzed: 08/02/2018

Aroclor 1016	0.343	0.0167	mg/kg wet	0.333		103	40-130				
Aroclor 1260	0.330	0.0167	"	0.333		99.0	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0597</i>		"	<i>0.0667</i>		<i>89.5</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0530</i>		"	<i>0.0667</i>		<i>79.5</i>	<i>30-140</i>				



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

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

Batch BG81390 - EPA 3050B

Blank (BG81390-BLK1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	7.37	2.00	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Reference (BG81390-SRM1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

Aluminum	7030	5.00	mg/kg wet	8040	87.4	39.4-160.5
Antimony	97.8	0.500	"	91.4	107	25.1-275.7
Arsenic	162	1.00	"	146	111	69.9-132.9
Barium	103	1.00	"	102	101	71.5-136.3
Beryllium	150	0.100	"	134	112	75.4-138.1
Cadmium	70.4	0.300	"	63.2	111	73.3-141.5
Calcium	6610	5.00	"	5930	111	73.7-136.1
Chromium	94.1	0.500	"	89.3	105	69.1-143.3
Cobalt	137	0.500	"	119	115	74.6-142
Copper	67.7	0.500	"	60.8	111	72.7-141.6
Iron	12700	2.00	"	14400	87.9	35.6-163.9
Lead	110	0.500	"	98.5	111	70.8-137.1
Magnesium	2730	5.00	"	2580	106	63.6-136.1
Manganese	404	0.500	"	370	109	75.7-134.3
Nickel	82.6	0.500	"	66.6	124	70.7-146.3
Potassium	2260	5.00	"	2340	96.8	59.8-140.2
Selenium	126	1.00	"	136	92.5	67.1-136.8
Silver	51.5	0.500	"	48.9	105	66.5-139.5
Sodium	346	10.0	"	318	109	40.6-159.8
Thallium	154	1.00	"	138	112	68-136.2
Vanadium	68.0	1.00	"	69.7	97.5	58.9-141.8
Zinc	197	1.50	"	177	111	69.5-131.1



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

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

Batch BH80027 - EPA 3015A

Blank (BH80027-BLK1)

Prepared & Analyzed: 08/01/2018

Aluminum - Dissolved	ND	55.6	ug/L
Barium - Dissolved	ND	11.1	"
Calcium - Dissolved	ND	55.6	"
Chromium - Dissolved	ND	5.56	"
Cobalt - Dissolved	ND	5.56	"
Copper - Dissolved	ND	5.56	"
Iron - Dissolved	ND	22.2	"
Lead - Dissolved	ND	5.56	"
Magnesium - Dissolved	ND	55.6	"
Manganese - Dissolved	ND	5.56	"
Nickel - Dissolved	ND	5.56	"
Potassium - Dissolved	ND	55.6	"
Silver - Dissolved	ND	5.56	"
Sodium - Dissolved	ND	111	"
Vanadium - Dissolved	ND	11.1	"
Zinc - Dissolved	ND	16.7	"

LCS (BH80027-BS1)

Prepared & Analyzed: 08/01/2018

Aluminum - Dissolved	1.95	ug/mL	2.00	97.4	80-120	
Barium - Dissolved	1.98	"	2.00	99.0	80-120	
Calcium - Dissolved	0.481	"	1.00	48.1	80-120	Low Bias
Chromium - Dissolved	0.206	"	0.200	103	80-120	
Cobalt - Dissolved	0.514	"	0.500	103	80-120	
Copper - Dissolved	0.254	"	0.250	101	80-120	
Iron - Dissolved	1.01	"	1.00	101	80-120	
Lead - Dissolved	0.476	"	0.500	95.3	80-120	
Magnesium - Dissolved	0.976	"	1.00	97.6	80-120	
Manganese - Dissolved	0.501	"	0.500	100	80-120	
Nickel - Dissolved	0.507	"	0.500	101	80-120	
Potassium - Dissolved	0.886	"	0.500	177	80-120	High Bias
Silver - Dissolved	0.0489	"	0.0500	97.9	80-120	
Sodium - Dissolved	1.11	"	1.00	111	80-120	
Vanadium - Dissolved	0.481	"	0.500	96.2	80-120	
Zinc - Dissolved	0.458	"	0.500	91.7	80-120	



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

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

Batch BH80027 - EPA 3015A

Duplicate (BH80027-DUP1)	*Source sample: 18G1213-17 (TW-3)				Prepared & Analyzed: 08/01/2018								
Aluminum - Dissolved	ND	55.6	ug/L		ND							20	
Barium - Dissolved	121	11.1	"		125				3.36			20	
Calcium - Dissolved	121000	55.6	"		124000				2.99			20	
Chromium - Dissolved	ND	5.56	"		ND							20	
Cobalt - Dissolved	68.9	5.56	"		72.9				5.55			20	
Copper - Dissolved	6.98	5.56	"		5.59				22.1			20	Non-dir.
Iron - Dissolved	155	22.2	"		284				59.0			20	Non-dir.
Lead - Dissolved	ND	5.56	"		ND							20	
Magnesium - Dissolved	45300	55.6	"		46700				2.96			20	
Manganese - Dissolved	4340	5.56	"		4600				5.82			20	
Nickel - Dissolved	53.1	5.56	"		55.8				4.88			20	
Potassium - Dissolved	6920	55.6	"		7250				4.56			20	
Silver - Dissolved	ND	5.56	"		ND							20	
Sodium - Dissolved	163000	111	"		170000				4.36			20	
Vanadium - Dissolved	ND	11.1	"		ND							20	
Zinc - Dissolved	ND	16.7	"		ND							20	

Matrix Spike (BH80027-MS1)	*Source sample: 18G1213-17 (TW-3)				Prepared & Analyzed: 08/01/2018								
Barium - Dissolved	2390	11.1	ug/L	2220	125	102	75-125						
Chromium - Dissolved	242	5.56	"	222	ND	109	75-125						
Cobalt - Dissolved	653	5.56	"	556	72.9	104	75-125						
Copper - Dissolved	294	5.56	"	278	5.59	104	75-125						
Iron - Dissolved	1310	22.2	"	1110	284	92.5	75-125						
Lead - Dissolved	548	5.56	"	556	ND	98.7	75-125						
Manganese - Dissolved	5040	5.56	"	556	4600	80.1	75-125						
Nickel - Dissolved	645	5.56	"	556	55.8	106	75-125						
Silver - Dissolved	55.4	5.56	"	55.6	ND	99.7	75-125						
Vanadium - Dissolved	568	11.1	"	556	ND	102	75-125						
Zinc - Dissolved	617	16.7	"	556	ND	111	75-125						



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

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

Batch BH80108 - EPA 3015A

Blank (BH80108-BLK1)

Prepared & Analyzed: 08/02/2018

Aluminum	ND	55.6	ug/L
Barium	ND	11.1	"
Calcium	ND	55.6	"
Chromium	ND	5.56	"
Cobalt	ND	5.56	"
Copper	ND	5.56	"
Iron	ND	22.2	"
Lead	ND	5.56	"
Magnesium	ND	55.6	"
Manganese	ND	5.56	"
Nickel	ND	5.56	"
Potassium	129	55.6	"
Silver	ND	5.56	"
Sodium	ND	111	"
Vanadium	ND	11.1	"
Zinc	ND	16.7	"

LCS (BH80108-BS1)

Prepared & Analyzed: 08/02/2018

Aluminum	1.93		ug/mL	2.00	96.4	80-120	
Barium	2.03		"	2.00	102	80-120	
Calcium	0.468		"	1.00	46.8	80-120	Low Bias
Chromium	0.212		"	0.200	106	80-120	
Cobalt	0.530		"	0.500	106	80-120	
Copper	0.260		"	0.250	104	80-120	
Iron	1.07		"	1.00	107	80-120	
Lead	0.494		"	0.500	98.9	80-120	
Magnesium	1.02		"	1.00	102	80-120	
Manganese	0.522		"	0.500	104	80-120	
Nickel	0.522		"	0.500	104	80-120	
Potassium	0.944		"	0.500	189	80-120	High Bias
Silver	0.0513		"	0.0500	103	80-120	
Sodium	1.19		"	1.00	119	80-120	
Vanadium	0.494		"	0.500	98.7	80-120	
Zinc	0.478		"	0.500	95.5	80-120	



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

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

Batch BH80108 - EPA 3015A

Duplicate (BH80108-DUP1)	*Source sample: 18G1213-17 (TW-3)				Prepared & Analyzed: 08/02/2018								
Aluminum	232	55.6	ug/L		107						73.3	20	Non-dir.
Barium	128	11.1	"		131						2.39	20	
Calcium	121000	55.6	"		121000						0.0448	20	
Chromium	6.63	5.56	"		6.02						9.68	20	
Cobalt	68.8	5.56	"		70.2						2.05	20	
Copper	6.17	5.56	"		7.19						15.3	20	
Iron	5790	22.2	"		5590						3.47	20	
Lead	ND	5.56	"		ND							20	
Magnesium	47400	55.6	"		47300						0.0653	20	
Manganese	4290	5.56	"		4420						2.93	20	
Nickel	55.9	5.56	"		57.2						2.32	20	
Potassium	6610	55.6	"		6590						0.288	20	
Silver	ND	5.56	"		ND							20	
Sodium	175000	111	"		174000						0.679	20	
Vanadium	ND	11.1	"		ND							20	
Zinc	ND	16.7	"		ND							20	

Matrix Spike (BH80108-MS1)	*Source sample: 18G1213-17 (TW-3)				Prepared & Analyzed: 08/02/2018								
Aluminum	2340	55.6	ug/L	2220	107	100	75-125						
Barium	2330	11.1	"	2220	131	99.2	75-125						
Calcium	120000	55.6	"	1110	121000	NR	75-125	Low Bias					
Chromium	243	5.56	"	222	6.02	106	75-125						
Cobalt	646	5.56	"	556	70.2	104	75-125						
Copper	289	5.56	"	278	7.19	101	75-125						
Iron	6690	22.2	"	1110	5590	98.7	75-125						
Lead	542	5.56	"	556	ND	97.5	75-125						
Magnesium	48000	55.6	"	1110	47300	59.3	75-125	Low Bias					
Manganese	4860	5.56	"	556	4420	79.8	75-125						
Nickel	638	5.56	"	556	57.2	105	75-125						
Potassium	7490	55.6	"	556	6590	163	75-125	High Bias					
Silver	56.1	5.56	"	55.6	ND	101	75-125						
Sodium	174000	111	"	1110	174000	NR	75-125	Low Bias					
Vanadium	554	11.1	"	556	ND	99.8	75-125						
Zinc	560	16.7	"	556	ND	101	75-125						



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

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

Batch BH80029 - EPA 3015A

Blank (BH80029-BLK1)

Prepared: 08/01/2018 Analyzed: 08/03/2018

Antimony - Dissolved	ND	1.11	ug/L									
Arsenic - Dissolved	ND	1.11	"									
Beryllium - Dissolved	ND	1.11	"									
Cadmium - Dissolved	ND	1.11	"									
Selenium - Dissolved	ND	1.11	"									
Thallium - Dissolved	ND	1.11	"									

LCS (BH80029-BS1)

Prepared: 08/01/2018 Analyzed: 08/03/2018

Antimony - Dissolved	42.9		ug/L	50.0		85.7	80-120					
Arsenic - Dissolved	44.6		"	50.0		89.3	80-120					
Beryllium - Dissolved	47.3		"	50.0		94.6	80-120					
Cadmium - Dissolved	44.4		"	50.0		88.7	80-120					
Selenium - Dissolved	42.8		"	50.0		85.6	80-120					
Thallium - Dissolved	48.7		"	50.0		97.3	80-120					

Duplicate (BH80029-DUP1)

*Source sample: 18G1213-17 (TW-3)

Prepared: 08/01/2018 Analyzed: 08/03/2018

Antimony - Dissolved	ND	1.11	ug/L		ND							20
Arsenic - Dissolved	ND	1.11	"		ND							20
Beryllium - Dissolved	ND	1.11	"		ND							20
Cadmium - Dissolved	ND	1.11	"		ND							20
Selenium - Dissolved	ND	1.11	"		ND							20
Thallium - Dissolved	ND	1.11	"		ND							20

Matrix Spike (BH80029-MS1)

*Source sample: 18G1213-17 (TW-3)

Prepared: 08/01/2018 Analyzed: 08/03/2018

Antimony - Dissolved	47.3		ug/L	50.0	-0.040	94.5	75-125					
Arsenic - Dissolved	47.7		"	50.0	-0.241	95.3	75-125					
Beryllium - Dissolved	37.3		"	50.0	-0.015	74.5	75-125	Low Bias				
Cadmium - Dissolved	47.8		"	50.0	0.107	95.3	75-125					
Selenium - Dissolved	52.7		"	50.0	-6.48	105	75-125					
Thallium - Dissolved	44.7		"	50.0	-0.084	89.4	75-125					



Metals by ICP/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
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Batch BH80109 - EPA 3015A

Blank (BH80109-BLK1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	1.11	"								
Cadmium	ND	1.11	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								

LCS (BH80109-BS1)

Prepared: 08/02/2018 Analyzed: 08/03/2018

Antimony	41.6		ug/L	50.0		83.1	80-120				
Arsenic	42.8		"	50.0		85.6	80-120				
Beryllium	46.9		"	50.0		93.8	80-120				
Cadmium	42.5		"	50.0		85.0	80-120				
Selenium	37.8		"	50.0		75.7	80-120	Low Bias			
Thallium	46.7		"	50.0		93.4	80-120				

Duplicate (BH80109-DUP1)

*Source sample: 18G1213-17 (TW-3)

Prepared: 08/02/2018 Analyzed: 08/03/2018

Antimony	ND	1.11	ug/L		ND						20
Arsenic	ND	1.11	"		ND						20
Beryllium	ND	1.11	"		ND						20
Cadmium	ND	1.11	"		ND						20
Selenium	ND	1.11	"		ND						20
Thallium	ND	1.11	"		ND						20

Matrix Spike (BH80109-MS1)

*Source sample: 18G1213-17 (TW-3)

Prepared: 08/02/2018 Analyzed: 08/03/2018

Antimony	45.1		ug/L	50.0	-0.028	90.2	75-125				
Arsenic	46.3		"	50.0	-0.097	92.7	75-125				
Beryllium	35.4		"	50.0	-0.008	70.8	75-125	Low Bias			
Cadmium	45.0		"	50.0	0.122	89.8	75-125				
Selenium	50.4		"	50.0	-3.28	101	75-125				
Thallium	42.7		"	50.0	-0.111	85.4	75-125				



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

York Analytical Laboratories, Inc.

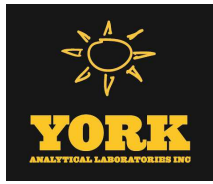
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG81384 - EPA 7473 water											
Blank (BG81384-BLK1)										Prepared & Analyzed: 07/30/2018	
Mercury	ND	0.00020	mg/L								
Reference (BG81384-SRM1)										Prepared & Analyzed: 07/30/2018	
Mercury	0.00921		mg/L	0.0100		92.1	70-130				
Batch BG81453 - EPA 7473 soil											
Blank (BG81453-BLK1)										Prepared & Analyzed: 07/31/2018	
Mercury	ND	0.0300	mg/kg wet								
Reference (BG81453-SRM1)										Prepared & Analyzed: 07/31/2018	
Mercury	10.450		mg/kg	13.8		75.7	57.1-143.5				
Batch BG81465 - EPA 7473 water											
Blank (BG81465-BLK1)										Prepared & Analyzed: 07/31/2018	
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BG81465-SRM1)										Prepared & Analyzed: 07/31/2018	
Mercury - Dissolved	0.009426		mg/L	0.0100		94.3	70-130				



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 BH80148 - % Solids Prep											
Duplicate (BH80148-DUP1)	*Source sample: 18G1213-14 (SB-5 (10-15))					Prepared: 08/02/2018 Analyzed: 08/03/2018					
% Solids	95.7	0.100	%		94.5				1.25	20	
Batch BH80176 - Analysis Preparation											
Duplicate (BH80176-DUP1)	*Source sample: 18G1213-14 (SB-5 (10-15))					Prepared & Analyzed: 08/03/2018					
ORP (Oxidation-Reduction Potential) (Ag/AgCl)	230	-200	mV		230				0.300	30	
Batch BH80178 - Analysis Preparation											
Duplicate (BH80178-DUP1)	*Source sample: 18G1213-17 (TW-3)					Prepared & Analyzed: 08/03/2018					
ORP (Oxidation-Reduction Potential) (Ag/AgCl)	440	1.0	mV		440				0.676	25	



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 BG81363 - Analysis Preparation											
Blank (BG81363-BLK1)										Prepared & Analyzed: 07/28/2018	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BG81363-BS1)										Prepared & Analyzed: 07/28/2018	
Chromium, Hexavalent	0.471	0.0100	mg/L	0.500		94.2	80-120				
Duplicate (BG81363-DUP1)										Prepared & Analyzed: 07/28/2018	
*Source sample: 18G1213-15 (TW-1)											
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Batch BH80067 - EPA SW846-3060											
Blank (BH80067-BLK1)										Prepared: 08/01/2018 Analyzed: 08/02/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BH80067-SRM1)										Prepared: 08/01/2018 Analyzed: 08/02/2018	
Chromium, Hexavalent	22.9		mg/L	76.9		29.8	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18G1213-01	SB-1 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18G1213-02	SB-1 (23-25)	40mL Vial with Stir Bar-Cool 4° C
18G1213-03	SB-2 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18G1213-04	SB-2 (23-25)	40mL Vial with Stir Bar-Cool 4° C
18G1213-05	SB-2 (19-19.5)	40mL Vial with Stir Bar-Cool 4° C
18G1213-06	SB-3 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18G1213-07	SB-3 (23-25)	40mL Vial with Stir Bar-Cool 4° C
18G1213-08	SB-3 (7-8)	40mL Vial with Stir Bar-Cool 4° C
18G1213-09	SB-4 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18G1213-10	SB-4 (23-25)	40mL Vial with Stir Bar-Cool 4° C
18G1213-11	SB-4 (19-19.5)	40mL Vial with Stir Bar-Cool 4° C
18G1213-12	SB-5 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18G1213-13	SB-5 (23-25)	40mL Vial with Stir Bar-Cool 4° C
18G1213-14	SB-5 (10-15)	40mL Vial with Stir Bar-Cool 4° C
18G1213-15	TW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18G1213-16	TW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18G1213-17	TW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18G1213-18	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

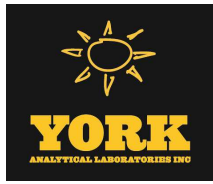


Sample and Data Qualifiers Relating to This Work Order

M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
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).
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-CRL	The RL check for this element recovered outside of control limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-SRD1	The serial dilution for this element was outside control limits.
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.
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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-08	The recovery of this surrogate was outside of QC limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.



- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.

18G1213

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

Page 1 of 1

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Elemental Env.	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	CT RCP	Standard Excel EDD	RUSH - Next Day	
Address: 2141 Kenview Ave Piscataway 08854	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	CT RCP DQA/DUE	EQulS (Standard)	RUSH - Two Day	
Phone: 848 214 8425	Phone: Same	Phone: Same	Phone: Same	Phone: Same	Phone: Same	NJDEP Reduced Deliverables	NYSDEC EQUIS	RUSH - Three Day	
Contact: V. Sharma	Contact: Same	Contact: Same	Contact: Same	Contact: Same	Contact: Same	NJDKQP	NJDEP SRP HazSite	RUSH - Four Day	
E-mail: vsharma150p@anadit.com	E-mail: Same	E-mail: Same	E-mail: Same	E-mail: Same	E-mail: Same	Other:	Other:	Standard (5-7 Day)	<input checked="" type="checkbox"/>
YOUR Project Name 172-02 Hillside Ave									
YOUR PO#:									
Matrix Codes S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other		Samples From New York New Jersey Connecticut Pennsylvania Other		Report / EDD Type (circle selections)		YORK Reg. Comp. Compared to the following Regulation(s): (please fill in) NY			
Sample Matrix S 1815 1830 1900		Date/Time Sampled 7/26/18 1815 1830 1900		Analysis Requested NO, SVO, PESTICIDES, PCB, TAL-METALS, CHLORINUM HEX		Container Description 0803.1 1815			
Sample Identification SB-1 (0-2) SB-1 (23-25) SB-2 (0-2) SB-2 (23-25) SB-2 (19-19.5) SB-3 (0-2) SB-3 (23-25) SB-3 (7-8) SB-4 (0-2)		Date/Time 6:45 7:27/18 12:00 10:15 10:30 1:00 1:30 1:45 7:30		Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___		Special Instruction Field Filtered ___ Lab to Filter ___			
Samples Relinquished by / Company [Signature] / [Company]		Samples Relinquished by / Company [Signature] / [Company]		Samples Relinquished by / Company [Signature] / [Company]		Samples Relinquished by / Company [Signature] / [Company]		Temp. Received at Lab 2.2 Degrees C	



YORK Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com



Field Chain-of-Custody Record

YORK Project No.

1861213

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Page 2 of 2

Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Address:	Company:	Address:	EE-167		RUSH - Next Day	
Phone:	Phone:	Company:	Address:	YOUR Project Name		RUSH - Two Day	
Contact:	Contact:	Company:	Address:	172-02 Hillside		RUSH - Three Day	
E-mail:	E-mail:	Company:	Address:	YOUR PO#:		RUSH - Four Day	
		Company:	Address:			Standard (5-7 Day)	X

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

Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description
SB-4 (23-25)	S	S - soil / solid	New York	Summary Report	CT RCP	
SB-4 (19-19.5)	S	GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	
SB-5 (0-2)	S	DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	
SB-5 (23-25)	S	WW - wastewater	Pennsylvania	NY ASP B Package	NJDEP SRP HazSite	
SB-5 (10-15)	S	O - Oil ; Other	Other		Other:	
Two-1	AW					8 Amber
Two-2	AW					2 Plastic
Two-3	AW					1 Vials
TriP Blank	-					

Comments:		Preservation: (check all that apply)	
		HCl	MeOH
		HNO ₃	H ₂ SO ₄
		Ascorbic Acid	Other:
		NaOH	ZnAc
		Field Filtered Lab to Filter	
		Date/Time	Date/Time
		7/27/18	7/27/18 1950
		Samples Relinquished by / Company	
		Signature	
		Date/Time	
		7/27/18 12PM	
		Samples Received by / Company	
		Signature	
		Date/Time	
		7/27/18 1950	
		Samples Relinquished by / Company	
		Signature	
		Date/Time	
		7/27/18 1950	
		Samples Received at LAB by	
		Signature	
		Date/Time	
		7/27/18 1950	
		Temp. Received at Lab	
		2.2	

APPENDIX-F

SITE PICTURES

[PROJECT: 172-02 HILLSIDE AVENUE, QUEENS, NY](#)



Location SB-1



Location SB-2

SITE PICTURES

[PROJECT: 172-02 HILLSIDE AVENUE, QUEENS, NY](#)



Location SB-3



SSSG(Subslab Soil Gas) sampling at SB-4

SITE PICTURES

PROJECT: 172-02 HILLSIDE AVENUE, QUEENS, NY



Location SB-5



SSSG Sampling Mechanism

SITE PICTURES

[PROJECT: 172-02 HILLSIDE AVENUE, QUEENS, NY](#)



SSSG Sampling



Soil Liners during sampling

SITE PICTURES

[PROJECT: 172-02 HILLSIDE AVENUE, QUEENS, NY](#)



Sampling Station



Typical LFPS Mechanism