
REMEDIAL INVESTIGATION REPORT

for

GO BROOME DEVELOPMENT

Broome Street Parking Lot Site

New York, New York

Block 346, Portion of Lots 37 & 75

Proposed New Lot 75

CEQR Number 77DCP581M

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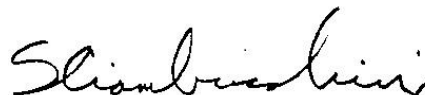
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7 May 2019

100646801

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1.0 INTRODUCTION

On behalf of GO Broome, LLC (GO Broome), Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan), has prepared this Remedial Investigation Report for the ±0.55 acre property located to the southwest of the intersection of Broome Street and Suffolk Street (Block 346, portions of Lots 37 & 75; Newly Proposed Lot 75 as shown on the Site Plan provided as Figure 2), New York, New York (hereinafter the "Site"). The Remedial Investigation (RI) consisted of a soil, groundwater, and soil vapor investigation that was completed in accordance with the November 2018 Phase II Environmental Site Investigation Work Plan approved by the New York City Department of Environmental Protection (NYCDEP) on 20 December 2018. The RI was completed to assess the potential presence of hazardous materials in the subsurface, and to address regulatory requirements which may be assigned to the site through the City Environmental Quality Review (CEQR) process. The findings of the first phase of the RI are summarized herein.

2.0 SITE DESCRIPTION

2.1 Physical Setting

The Site is located in the Lower East Side section of Manhattan, New York. Proposed Lot 75, to be created for this project, is located on Block 346 and consists of the majority of current Lot 75 and a small portion of Lot 37 on the existing New York City Tax Map. A Site Location Plan is provided as Figure 1. The Site is an approximately 23,960-square foot parcel and is bound to the north by Broome Street followed by an at-grade parking facility, to the east by Suffolk Street followed by a mixed-use property with a large asphalt-paved parking area, to the south by a five-story mixed-use building, and to the west by the 14-story Hong Ning Housing for the Elderly building and the former Beth Hamedrash Hagodol Synagogue. The site contains asphalt paved parking and walkway areas, and landscaped areas. A Site plan is provided as Figure 2.

2.2 Site Stratigraphy and Hydrogeology

The "Surficial Geologic Map of New York" by the New York State Museum State Geological Survey indicates that the surficial geology at the site consists of till which is generally an impermeable layer comprised of poorly sorted and variably sized clasts. According to the "Bedrock and Engineering Geologic

Maps of New York County” by Charles A. Baskerville the site is underlain by the Ravenswood Granodiorite which consists granitic to gneissic granite and diorite. Cameron’s Line thrust fault is located in close proximity to the subject property to the west.

Based on the findings of the first phase of the RI, the Site is underlain by a layer of historic fill that ranges from approximately 11.5 feet thick in the central portion (LSB-10) to approximately 30 feet thick in the northeast portion (LSB-4), where the base of the fill was not encountered prior to the boring termination depth of 30 feet below grade. Additionally, the base of the fill layer was not encountered prior to the boring termination depth of 20 feet below grade in LSB-7, located in the southeast portion of the site, and in LSB-9 which was advanced in the north-central portion of the site. The historic fill layer consists of light brown to brown sand and varying amounts of brick, gravel, concrete, wood, and silt. Native sand was encountered in all soil borings, with exception of soil borings LSB-7 (completed to 20 feet below grade in the southeast portion of the site), LSB-9 (completed to 20 feet below grade in the north-central portion of the site), and LSB-4 (completed to 30 feet below grade in the northeast portion of the site). Groundwater was not encountered in soil borings within the proposed excavation depth for site redevelopment of 20-feet below grade. Groundwater was encountered in soil borings LSB-2, LSB-4, LSB-5 and LSB-6 at approximately 28-feet below site grade.

Test borings were completed on the subject property during a preliminary geotechnical investigation conducted by Langan in February 2019. Subsurface conditions documented during the geotechnical investigation consisted of an approximately 10 to 16 foot thick layer of miscellaneous fill underlain by a 9 to 25 foot thick upper sand unit, a 20 to 60 foot silt stratum, followed by a lower sand unit. Bedrock was not encountered in any of the geotechnical borings, which were advanced to depths that ranged from 77 to 102 feet below sidewalk grade. Groundwater was encountered between 26.5 and 29 feet b.g.s. within the test borings. Based on the results of borings completed as part of the environmental and geotechnical investigations, groundwater is anticipated to flow to the south-southeast towards the East River.

3.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

A Phase I Environmental Site Assessment (ESA) dated November 2017 was prepared by Langan for GO Broome, LLC. This Phase I ESA, which was prepared essentially for the Site¹ identified the following recognized environmental condition (RECs) and business environmental risks (BERs):

1. Historical Site operations including printing, metalsmithing, and laundry services were identified as a REC due to the potential use of chemicals associated with these operations and the duration of the activities.
2. The presence of a fuel oil storage tank beneath the sidewalk on the former synagogue property located adjacent to the west on the portion of Lot 37 that is not part of the Site was identified during site reconnaissance, though the location of the storage tank was not confirmed. The fuel oil storage tank was identified as a BER.
3. The presence of historic urban fill or the deteriorated remains of former onsite buildings in the subsurface was identified as a BER, as this material is typically characterized by elevated concentrations of polycyclic-aromatic hydrocarbons (PAHs) and metals.
4. Potential impacts from current and historical operations conducted at adjacent and nearby properties involving the use of ASTs, USTs, spills, and the generation and disposal of hazardous waste was identified as a BER due to the potential for offsite migration of contaminants to impact sub-slab soil and/or groundwater below the subject site.

4.0 REMEDIAL INVESTIGATION

This phase of the RI was completed to investigate potential impacts to the soil and groundwater beneath the Site associated with the following RECs or BERs:

- Historical site operation including printing, metalsmithing, and laundry services;
- The presence of historic fill due to former onsite buildings; and,

¹ The Phase I ESA identified 60 Norfolk Street as the address for the Site based on the review of Sanborn Fire Insurance Maps; however, it has been determined that there is no formal address associated with Lot 75 by the City of New York. 60 Norfolk is the address for the former synagogue on Lot 37, the majority of which is not part of the Site. Some prior Phase I reports have referred to the parking lot as 50 Norfolk Street, since the parking lot is an ancillary lot to the 14-story Hong Ning Housing for the Elderly building associated with that address and located adjacent to the west. However, for purposes of this report, it is acknowledged that the portions of Lots 37 and 75 that make up the remediation and development Site are not currently associated with New York City street addresses as there are no buildings located on this property.

- Potential impacts from current and historical operations conducted at adjacent and nearby properties.

The scope of work for the investigation consisted of:

- Completion of a geophysical investigation;
- Completion of eight soil borings and collection of seventeen soil samples (two samples from each boring plus a one duplicate sample) to assess soil conditions;
- Installation and sampling of four monitoring wells in order to collect groundwater samples to assess current site groundwater conditions; and,
- Installation and sampling of seven soil vapor points in order to assess current site soil vapor conditions.

The results of the geophysical survey are discussed in Section 4.1. Soil, groundwater, and soil vapor sampling procedures are discussed in Sections 4.2, 4.3, and 4.4, respectively. Quality assurance procedures that were implemented during this investigation are discussed in Section 4.5 and results of soil, groundwater, and soil vapor sampling are discussed in Section 4.6. The locations of all soil, groundwater, and soil vapor samples collected during this investigation are shown on Figures 3 through 5. A summary of the laboratory analytical data provided for this investigation are summarized in Tables 2, 3, and 4 and are shown on Figures 3, 4, and 5, respectively. All samples were analyzed by a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Soil waste characterization sample collection for disposal assessment purposes was completed in conjunction with the RI, the results of which are documented herein.

4.1 Geophysical Survey Investigation

A geophysical survey was completed on 25 January 2019 by Hager-Richter Geoscience, Inc. of Fords, New Jersey using electromagnetic surveying equipment and ground penetrating radar. The purpose of the geophysical survey was to investigate for the existence of potential underground storage tanks (USTs) and other anomalies as well as provide utility clearance for the investigation. A copy of the geophysical investigation report is provided in Appendix A.

The geophysical survey identified the following:

- Scattered irregular anomalies located throughout the surveyed areas consistent with the presence of widespread debris containing metal; and
- The presence of linear reflections typical of subsurface utilities or segments of subsurface utilities.

Subsurface metallic anomalies consistent with the presence of USTs were not identified within the geophysical survey area during this investigation.

4.2 Soil Sampling Procedures

Eight soil borings (LSB-2, and LSB-4 through LSB-10) were completed between 28 and 30 January 2019 by AARCO Environmental Services Corp. of Lindenhurst, New York. A sampling plan identifying the location, depth and sampling rationale for the completed borings is provided in Table 1 and boring locations are shown on Figure 3. The borings were completed by using a GeoProbe®6610DT track-mounted direct push drill rig. Soil borings LSB-7, LSB-9, and LSB-10 were completed to approximately 20-feet below ground level; soil boring LSB-8 was completed to approximately 25-feet below ground level; and soil borings LSB-2, and LSB-4 through LSB-6 were completed to approximately 30-feet below ground level. Groundwater was generally observed to be approximately 28-feet below ground level in soil borings LSB-2 and LSB-4 through LSB-6.

Continuous macrocore samples were collected to the bottom of each boring and soil was classified and visually screened for evidence of contamination. Soil boring logs are provided in Appendix B.

Field screening of soil during sample collection for volatile organic compounds (VOCs) using a field calibrated photoionization detector (PID) was completed during the installation of all eight test borings. PID readings of 0.3 to 2.3 parts per million (ppm) above background were observed in LSB-7 and no PID readings above background were measured in any of the remaining soil borings completed as part of the RI.

A total of seventeen discrete soil samples (including one blind duplicate sample) were collected from the borings for laboratory analysis. Two soil samples were collected at each boring (with the exception of the duplicate sample) within the top 2-foot interval and from the 18- to 20-foot interval, which

corresponds to the bottom of the basement level of the proposed building. All soil samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, Connecticut, a New York State Department of Health certified laboratory, for analysis for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and metals. All SVOC, pesticides, PCBs and metals samples were collected in two-foot intervals with the VOC sample being collected from a discrete 6-inch interval within the two-foot sample interval.

4.3 Ground Water Sampling Procedures

Groundwater monitoring wells LMW-2 and LMW-4 through LMW-6 were installed on 28 and 29 January 2019 by AARCO Environmental Services Corp. Each of the wells was installed to approximately 35-feet below ground level, which corresponded to approximately 7-feet into the groundwater table. Each well was constructed with 10-feet of 1-inch diameter 0.010-inch slot PVC well screen and the remainder of the well was constructed of 1-inch diameter PVC riser. Groundwater monitoring well locations are shown on Figure 4. Well construction details are provided in Appendix B.

On 30 January 2019, groundwater samples were collected for VOCs, SVOCs, pesticides, PCBs and total and dissolved metal analysis using USEPA low-flow sampling guidelines. Groundwater VOC samples were collected via a dedicated bailer, and all remaining sample volumes were collected using a peristaltic pump and dedicated tubing. Visual observations were made of groundwater samples that were collected. Groundwater levels were recorded prior to sampling with an oil/water interface probe and no LNAPL or evidence of sheen was observed in any of the samples or the purged groundwater. Low flow groundwater sampling parameter sheets are provided in Appendix C.

Collected groundwater samples were placed in containers supplied by the laboratory with the appropriate preservatives and were submitted for laboratory analysis of VOCs, SVOCs, pesticides, PCBs, and total and dissolved metals. Each groundwater sample was numbered and recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and stored at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

4.4 Soil Vapor Sampling Procedures

Soil vapor sampling points LSV-2 and LSV-4 through LSV-9 were installed on 28 and 29 January 2019 by AARCO Environmental Services Corp. Each of the soil vapor points was installed via direct push drilling at offset locations adjacent to associated soil borings to approximately 20-feet below ground level, which corresponds to the depth interval directly beneath the bottom of the basement of the proposed structure. A six-inch dedicated stainless steel screen attached to Teflon-lined polyethylene tubing was set at each location. No. 1 sand was placed approximately one-foot above the top of the screen and the remaining annulus was filled with hydrated bentonite to surface grade.

Prior to sampling, each soil vapor sampling point was tightness tested using the helium tracer gas method and purged at a flow rate of <200-ml per minute. No evidence of helium breakthrough (i.e., helium concentrations above 5%) was observed in any of the sample locations before sample collection. PID readings for VOCs collected from the purged soil vapor were measured at concentrations ranging from 120 parts-per-billion (ppb) (LSV-7) to 699 ppb (LSV-4) during field screening of each location. Soil vapor sampling locations are shown on Figure 5 and soil vapor sampling field logs are provided in Appendix D.

Soil vapor samples were collected in laboratory-cleaned and certified evacuated 6-L stainless steel summa canisters with regulators supplied by York and were laboratory analyzed for VOCs via USEPA TO-15 Method. The regulators were set to collect each sample over a 2-hour sampling period (a flow-rate of <200-ml per minute) as per USEPA/ITRC soil vapor sampling guidance. Due to a flow controller malfunction, soil vapor sample LSV-6 was turned off after 41 minutes of sample collection at a canister vacuum pressure of -3-inches of mercury. Each soil gas sample was numbered and recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and stored at a maximum room temperature of 30° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

4.5 Quality Assurance Samples

All soil and groundwater sampling devices were properly decontaminated according to NYSDEC and ASTM (ASTM D-5088-90) guidelines prior to each sampling location. For soil sampling this included the use of a dedicated acetate liner within a stainless steel macrocore sampling device. Soil samples

were then placed in glass jars supplied by the laboratory. For groundwater, all non-dedicated sampling equipment was thoroughly washed with an alconox/water solution wash to remove residual groundwater, followed by successive rinses of tap water and distilled/deionized water.

Each sample was numbered and recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and were stored at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession and analysis.

Quality assurance (trip blanks) and quality control samples (field blanks, and duplicates) were incorporated into the sampling events and consisted of two field blanks (one for soil and one for groundwater), three duplicate samples (one for soil, one for groundwater, and one for soil vapor) and six trip blanks (three for soil and three for groundwater).

A soil duplicate sample was collected from the LSB-7B location for VOC, SVOC, pesticides, PCBs and metal analyses; the analytical results were consistent with those reported for the LSB-7 sample. A soil sampling field blank was also collected and analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. The field blank sample had a reported detection for calcium and potassium; however, as no regulatory criteria for calcium or potassium in soil are currently available in the NYSDEC Part 375 Soil Cleanup Objectives detections of these compounds would not affect the conclusions of this report. Three trip blanks were collected and analyzed for VOCs, and no detections were reported in the samples.

A groundwater duplicate sample was collected from the LMW-5 location for VOCs, SVOCs, pesticides, PCBs and total and dissolved metal analysis; the analytical results were consistent with those reported for the LMW-5 sample. A field blank was also collected and analyzed for VOCs, SVOCs, pesticides, PCBs and total and dissolved metals. The field blank sample had reported detections for potassium and dissolved calcium. Additionally three trip blanks were collected and analyzed for VOCs, and no detections were reported in the samples.

Laboratory reporting limits (RLs) were reported above New York State Ground Water Quality Standards (GWQS) for the VOC ethylene dibromide; SVOCs 2,4-dichlorophenol, 2,4-dimethylphenol, 2,4-dinitrophenol, 3&4-methylphenols, 4-nitrophenol, benzidine, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-chloroethyl)ether, chrysene, hexachlorobutadiene, hexachlorocyclopentadiene, indeno(1,2,3-cd)pyrene, o-cresol (2-methylphenol), and phenol; pesticide, toxaphene; and metal, total and dissolved thallium. The RLs for the above referenced compounds were consistent for all of the groundwater samples that were collected, and are the result of the analytical method used by the laboratory and its detection limits for those compounds.

A soil vapor duplicate sample was collected from the LSV-9 location for VOCs analysis; the analytical results were consistent with those reported for the LSV-9 location.

4.6 Laboratory Analytical Results

Summaries of the laboratory analytical results for soil, groundwater, and soil vapor are provided in Tables 2, 3 and 4 and are shown on Figures 3, 4, and 5, respectively, and are discussed in detail below. The complete laboratory analytical packages are provided in Appendix E.

Soil Analytical Results

All soil analytical results were compared to the NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs) and are summarized in Table 2A and on Figure 3A. Duplicate soil samples results are not included in the discussion as these samples are collected for quality assurance/quality control verification of the laboratory results only and are discussed in detail above.

Analytical results revealed no exceedances of the NYSDEC Unrestricted Use SCOs for VOCs in any of the soil samples collected. SVOCs exceeding the 6 NYCRR Restricted Use SCOs for Industrial, Commercial and Restricted Residential Use were all detected in the 0- to 2-foot depth interval of borings LSB-2A, LSB-5A, LSB-6A, LSB-7A, LSB-8A, and LSB-9A.

SVOC exceedances of the Restricted Use SCOs for Industrial Use were detected for benzo(a)pyrene (1.55 milligram-per-kilogram [mg/kg] to 2.37 mg/kg) in samples LSB-2A, LSB-5A, LSB-6A, and LSB-7A. Benzo(a)pyrene was detected in LSB-8A (1.07 mg/kg) and dibenzo(a,h)anthracene was detected in LSB-2A and LSB-7A (0.762 mg/kg – 0.818 mg/kg) exceeding the Restricted Use SCOs for Commercial Use. SVOCs detected at concentrations exceeding the Restricted Use SCOs for Restricted Residential Use included benzo(a)anthracene (1.0 mg/kg – 3.74 mg/kg), benzo(b)fluoranthene (1.3 mg/kg – 3.43 mg/kg), and indeno(1,2,3-cd)pyrene (1.2 mg/kg – 2.14 mg/kg) in samples LSB-2A, LSB-5A, LSB-6A, and LSB-7A, and dibenzo(a,h)anthracene (0.469 mg/kg – 0.479 mg/kg) in LSB-5A and LSB-6A. In addition, benzo(a)anthracene (1 mg/kg) was also detected in LSB-8A and indeno(1,2,3-cd)pyrene (0.71 mg/kg – 0.789 mg/kg) was detected in LSB-8A and LSB-9A at concentrations exceeding the Restricted Use SCOs for Restricted Residential Use.

Chrysene (1.07 mg/kg – 3.85 mg/kg) was detected in LSB-2A, LSB-5A, LSB-6A, LSB-7A and LSB-8A and benzo(k)fluoranthene (1.37 mg/kg – 2.84 mg/kg) was detected in LSB-2A, LSB-5A, LSB-6A, and LSB-7A at concentrations exceeding the Restricted Use SCOs for Residential Use. Benzo(k)fluoranthene was also detected in LSB-8A at concentrations exceeding the Unrestricted Use SCOs. The SVOCs detected in shallow soil samples (0- to 2-foot interval) at concentrations above the Unrestricted Use or Restricted Use SCOs were not detected above laboratory reporting limits in any of the deeper soil samples, collected from the bottom of the proposed excavation depth of 20 feet below grade.

Pesticides exceeding the NYSDEC Unrestricted Use SCOs were detected in soil samples LSB-2A, LSB-5A, LSB-6A, LSB-8A, LSB-9A, LSB-9B, and LSB-10A. The pesticide 4,4'-DDE (0.00549 mg/kg – 0.026 mg/kg) was detected in samples LSB-5A and LSB-9A, both 4,4'-DDD (0.00567 mg/kg – 0.0205 mg/kg) and 4,4'-DDT (0.0423 mg/kg – 0.157 mg/kg) were detected in samples LSB-5A, LSB-6A, LSB-8A, LSB-9A, and LSB-10A, 4,4'-DDT was detected in LSB-2A and LSB-9B (0.0194 mg/kg and 0.0147 mg/kg, respectively), and dieldrin (0.00679 mg/kg) was detected in LSB-5A exceeding the Unrestricted Use SCOs. The detection of the pesticide 4,4'-DDT exceeding the Unrestricted Use SCOs in soil sample LSB-9B (collected from the 18- to 20-foot depth interval) is attributed to the presence of historic fill at this depth, as the base of the historic fill layer was not encountered at the boring termination depth of 20 feet below grade.

Metals were detected at concentrations exceeding the NYSDEC Restricted Use SCOs in all soil samples collected. Iron (5,460 mg/kg – 19,000 mg/kg) was detected at concentrations exceeding the NYSDEC Restricted Use SCOs for Residential Use in all soil samples. Barium was detected in soil sample LSB-2A (391 mg/kg) at a concentration exceeding the NYSDEC Restricted Use SCOs for Residential Use and in soil samples LSB-5A and LSB-6A (439 mg/kg – 520 mg/kg) at concentrations exceeding the NYSDEC Restricted Use SCOs for Commercial Use. Additional exceedances of the Restricted Use SCOs were detected for cadmium (11.5 mg/kg) in LSB-5A at concentrations above the Restricted Use SCOs for Commercial Use, and for lead (456 mg/kg) in LSB-7A and mercury (1.22 mg/kg) in LSB-2A (collected from the 0- to 2-foot depth interval) at concentrations exceeding the Restricted Use SCOs for Restricted Residential Use.

Exceedances of the Unrestricted Use SCOs were detected in soil samples LSB-5A, LSB-6A, LSB-8A, LSB-9A and LSB-9B for lead (65.4 mg/kg – 334 mg/kg), mercury (0.192 mg/kg – 0.657 mg/kg), and zinc (217 mg/kg – 360 mg/kg). Lead (283 mg/kg – 336 mg/kg) and zinc (192 mg/kg – 372 mg/kg) were also both detected in samples LSB-2A and LSB-10A above the Unrestricted Use SCOs. Additional exceedances of the Unrestricted Use SCOs were detected for hexavalent chromium (1.37 mg/kg) in LSB-4A, copper (60.8 mg/kg) in LSB-8A, mercury (0.223 mg/kg) in LSB-7A, and nickel (30.8 mg/kg – 41.7 mg/kg) in samples LSB-2B, LSB-4B, and LSB-9B.

No compounds were detected above the Unrestricted Use or Restricted Use SCOs, with the exception of the metal iron, in soil samples collected from native material (LSB-8B and LSB-10B). Iron was detected in all soil samples collected at concentrations above the Restricted Use SCOs for Residential Use and is attributed to naturally occurring subsurface conditions and not indicative of subsurface impacts from the historical use of the site or adjoining properties. As such, the presence of historic fill at these locations does not appear to have impacted the underlying native material. However, soil samples collected from the historic fill at the bottom of the proposed excavation depth on the northern portion of the site (LSB-2B, LSB-4B and LSB-9B) revealed exceedances of the Unrestricted Use SCOs for nickel in all three samples and 4,4'-DDT, lead, mercury, and zinc in sample LSB-9B. While exceedances of nickel are not necessarily indicative of impacts associated with the presence of historic fill, the

exceedances identified in the LSB-9B sample do indicate that impacted historic fill is present in the northern portion of the site within the material proposed to be removed as part of site remediation.

Groundwater Analytical Results

All groundwater analytical results were compared to the NYSDEC Part 703 Groundwater Quality Standards and the NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (collectively referred to as GWQS) and are summarized in Table 3 and on Figure 4 . Duplicate groundwater samples results are not included in the discussion as these results are discussed in detail in Section 4.5.

Analytical results revealed no VOCs, SVOCs, Pesticides, or PCBs were detected in exceedance of the NYSDEC GWQS.

Selenium (11.2 ug/L – 25.6 ug/L) and sodium (28,000 ug/L – 248,000 ug/L) were detected in all groundwater samples at concentrations exceeding the NYSDEC GWQS. Additionally, iron (775 ug/L – 927 ug/L), manganese (857 ug/L – 5,050 ug/L), and iron and manganese combined (1,784 ug/L – 5,825 ug/L) were detected in groundwater samples LMW-2 and LMW-6 and magnesium (84,400 ug/L – 171,000 ug/L) was detected in groundwater samples LMW-4 and LMW-5 at concentrations exceeding the NYSDEC GWQS.

Dissolved sodium (24,700 ug/L – 223,000 ug/L) was detected in all groundwater samples at concentrations exceeding the NYSDEC GWQS. Additionally, dissolved manganese (838 ug/L – 5,010 ug/L) and dissolved iron and manganese combined (838 ug/L – 5,010 ug/L) were detected in groundwater samples LMW-2 and LMW-6 and dissolved magnesium (88,800 ug/L – 169,000 ug/L) and dissolved selenium (12.2 ug/L – 23.1 ug/L) were detected in groundwater samples LMW-4 and LMW-5 at concentrations exceeding the NYSDEC GWQS.

Soil Vapor Analytical Results

Soil vapor analytical results were compared to New York State Department of Health (NYSDOH) Final Guidance for Evaluation Soil Vapor Intrusion matrices A through C dated October 2006 and revised in May 2017. These results are summarized in Table 4 and are shown on Figure 5. Soil vapor results identified low levels of petroleum related compounds and chlorinated VOCs. Total concentrations of petroleum-related VOCs (BTEX) ranged from 9.97

micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) – $110.23 \mu\text{g}/\text{m}^3$. Tetrachloroethene (PCE) ($14 \mu\text{g}/\text{m}^3$ – $54 \mu\text{g}/\text{m}^3$) was detected in six of the seven soil vapor samples. Trichloroethene (TCE) ($0.46 \mu\text{g}/\text{m}^3$) was detected in soil vapor sample LSV-2. Methylene chloride ($0.88 \mu\text{g}/\text{m}^3$ – $2.5 \mu\text{g}/\text{m}^3$) was detected in soil vapor samples LSV-4, LSV-7, and LSV-9 and carbon tetrachloride ($0.4 \mu\text{g}/\text{m}^3$ – $0.41 \mu\text{g}/\text{m}^3$) was detected in soil vapor samples LSV-4 and LSV-6. The chlorinated VOCs cis-1,2-Dichloroethene, 1,1-Dichloroethene, 1,1,1 trichloroethane and vinyl chloride were not detected in any of the soil vapor samples. All chlorinated VOCs were below the monitoring level ranges established within their respective NYSDOH soil vapor guidance matrix. Additionally, 2-butanone ($13 \mu\text{g}/\text{m}^3$ – $230 \mu\text{g}/\text{m}^3$), 2-hexanone ($1.4 \mu\text{g}/\text{m}^3$ – $33 \mu\text{g}/\text{m}^3$), acetone ($4.6 \mu\text{g}/\text{m}^3$ – $23 \mu\text{g}/\text{m}^3$), dichlorofluoromethane ($1.4 \mu\text{g}/\text{m}^3$ – $4.6 \mu\text{g}/\text{m}^3$), and propylene ($0.88 \mu\text{g}/\text{m}^3$ – $8.6 \mu\text{g}/\text{m}^3$) were detected in all seven soil vapor samples.

4.7 Waste Characterization Soil Sampling

RI samples were collected from the 0- to 2-foot depth interval in accordance with typical NYCDEP requirements and the NYCDEP-approved RIWP. As such, the RI sampling results reveal significant impacts in only the top 2 feet of soil. Eight additional soil borings (LSB-11 through LSB-18) were completed in conjunction with the RI for the collection of composite soil samples in 5-foot intervals from 0- to 20-feet below ground surface in order to assess waste disposal options. These results were collected to characterize a larger volume of soil than the RI samples and revealed much more significant impacts throughout the historical fill layer. A sampling plan identifying the location, depth and sampling rationale for the composite samples is provided in Table 1 and boring and composite sample locations are shown on Figure 3B.

A total of 20 composite soil samples (WC-1A/B/C/D through WC-5A/B/C/D) and one blind duplicate sample were collected from 0- to 5-feet bgs, 5- to 10-feet bgs, 10- to 15-feet bgs, and 15- to 20-feet bgs for laboratory analysis. Each composite sample was obtained by compositing at least five discrete soil samples collected from the appropriate depth interval from within three test borings. The composite soil samples were thoroughly homogenized (with exception of the samples collected for VOCs), and placed directly into the appropriate laboratory-supplied sampling containers. For each composite sample collected, one discrete sample for VOCs was collected from a six-inch interval within one of the test borings. All soil samples were submitted to

York VOCs, SVOCs, pesticides, herbicides, metals including cyanide and hexavalent chromium, PCBs, extractable petroleum hydrocarbons (EPH) spiked for fractionation, full toxicity characteristic leaching procedure (TCLP) analyses, and RCRA hazardous characteristics.

All soil analytical results were compared to the NYSDEC 6 NYCRR Subpart 375-6 Remedial Program SCOs and are summarized in Table 2B and on Figure 3B. Duplicate soil samples results are not included in the discussion as these samples are collected for quality assurance/quality control verification of the laboratory results only.

Laboratory Results 0- to 5-Foot BGS

Analytical results revealed no exceedances of the NYSDEC Unrestricted Use SCOs for VOCs in any of the soil samples collected with the exception of acetone from 0- to 5-foot bgs in WC-1A. PCBs and herbicides were not detected in any of the samples collected.

SVOCs exceeding the 6 NYCRR Restricted Use SCOs were detected in the 0- to 5-foot depth interval in all five samples. Exceedances of the Restricted Use SCOs for Industrial Use were detected for benzo(a)pyrene (1.19 mg/kg – 6.82 mg/kg) in all four samples and dibenzo(a,h)anthracene (1.49 mg/kg) was detected in WC-5A. SVOC exceedances of the Restricted Use SCOs for Commercial Use were detected from 0- to 5-feet including benzo(a)anthracene (7.91 mg/kg) and benzo(b)fluoranthene (5.84 mg/kg) in WC-5A and dibenzo(a,h)anthracene (0.977 mg/kg) in WC-1A. SVOCs were detected at concentrations exceeding the Restricted Residential Restricted Use SCOs from 0- to 5-feet bgs in all five samples including benzo(a)anthracene (1.18 mg/kg – 4.11 mg/kg), benzo(b)fluoranthene (1.08 mg/kg – 3.54 mg/kg), benzo(k)fluoranthene (5.3 mg/kg), chrysene (4.24 mg/kg – 8.28 mg/kg), dibenzo(a,h)anthracene (0.331 mg/kg – 0.43 mg/kg), and indeno(1,2,3-cd)pyrene (0.535 mg/kg – 3.57 mg/kg). Benzo(k)fluoranthene (1.56 mg/kg – 3.06 mg/kg) and chrysene (1.22 mg/kg – 1.92 mg/kg) were detected at concentrations exceeding the Residential Restricted Use SCOs and benzo(k)fluoranthene (0.95 mg/kg) was detected at concentrations above the Unrestricted Use SCOs from 0- to 5-feet bgs.

Pesticides exceeding the NYSDEC Unrestricted Use SCOs were detected in all five samples collected from 0- to 5-feet bgs including 4,4'-DDD

(0.00808 mg/kg – 0.00982 mg/kg), 4,4'-DDE (0.0277 mg/kg), 4,4'-DDT (0.012 mg/kg – 0.197 mg/kg), and dieldrin (0.00528 mg/kg – 0.00881 mg/kg).

Metals were detected at concentrations exceeding the NYSDEC Commercial Restricted Use SCOs in all samples collected from 0- to 5-feet bgs including barium (405 mg/kg – 2,560 mg/kg). Lead (449 mg/kg – 795 mg/kg) was detected above the Restricted Residential Restricted Use SCOs and iron (9,210 mg/kg – 32,600 mg/kg) was detected above the Residential Restricted Use SCOs. Copper (61.5 mg/kg), lead (188 mg/kg – 306 mg/kg), mercury (0.222 mg/kg – 0.66 mg/kg), and zinc (261 mg/kg – 1,020 mg/kg) were detected at concentrations exceeding the Unrestricted Use SCOs.

Laboratory Results 5- to 10-Foot BGS

Analytical results revealed no exceedances of the NYSDEC Unrestricted Use SCOs for VOCs, herbicides, or PCBs in any of the soil samples collected from 5- to 10-feet bgs.

SVOCs exceeding the 6 NYCRR Restricted Use SCOs were detected in the 5- to 10-foot depth interval in WC-1B, WC-3B, and WC-5B. Exceedances of the Restricted Use SCOs for Industrial Use were detected for benzo(a)pyrene (1.26 mg/kg – 2.27 mg/kg) in all three samples and benzo(a)anthracene (13.6 mg/kg), benzo(b)fluoranthene (11 mg/kg), and dibenzo(a,h)anthracene (2.21 mg/kg) in WC-1B. Indeno(1,2,3-cd)pyrene (6.51 mg/kg) and dibenzo(a,h)anthracene (0.702 mg/kg) were detected above the Restricted Use SCOs for Commercial Use in WC-1B and WC-3B, respectively. SVOCs were detected at concentrations exceeding the Restricted Residential Restricted Use SCOs from 5- to 10-feet bgs in three samples including benzo(a)anthracene (1.41 mg/kg – 4.35 mg/kg), benzo(b)fluoranthene (1.1 mg/kg – 2.67 mg/kg), benzo(k)fluoranthene (9.36 mg/kg), chrysene (4.17 mg/kg – 13.2 mg/kg), and indeno(1,2,3-cd)pyrene (0.72 mg/kg – 1.58 mg/kg). Benzo(k)fluoranthene (1.09 mg/kg – 2.55 mg/kg), chrysene (1.54 mg/kg), and 2-methylnaphthalene (0.452 mg/kg) were detected at concentrations exceeding the Residential Restricted Use SCOs from 5- to 10-feet bgs.

Pesticides exceeding the NYSDEC Unrestricted Use SCOs were detected in WC-1B, WC-2B, WC-3B, and WC-5B collected from 5- to 10-feet bgs including 4,4'-DDD (0.0105 mg/kg), 4,4'-DDE (0.0385 mg/kg), 4,4'-DDT (0.0087 mg/kg – 0.479 mg/kg), and dieldrin (0.0059 mg/kg).

Metals were detected at concentrations exceeding the NYSDEC Commercial Restricted Use SCOs in WC-3B and WC-5B collected from 5- to 10-foot bgs including barium (527 mg/kg – 1,130 mg/kg). Lead (505 mg/kg – 687 mg/kg) and mercury (1.01 mg/kg – 1.39 mg/kg) were detected above the Restricted Residential Restricted Use SCOs in WC-1B and WC-5B, and iron (13,500 mg/kg – 29,700 mg/kg) and vanadium (113 mg/kg) were detected above the Residential Restricted Use SCOs. Lead (88.2 mg/kg – 347 mg/kg), mercury (0.204 mg/kg – 0.455 mg/kg), nickel (33.1 mg/kg – 33.4 mg/kg), and zinc (189 mg/kg – 1,120 mg/kg) were detected at concentrations exceeding the Unrestricted Use SCOs.

Laboratory Results 10- to 15-Foot BGS

Analytical results revealed no exceedances of the NYSDEC Unrestricted Use SCOs for VOCs, herbicides, or PCBs in any of the soil samples collected from 10- to 15-foot bgs.

SVOCs exceeding the 6 NYCRR Restricted Use SCOs were detected in the 10- to 15-foot depth interval in WC-1C, WC-3C, and WC-4C. Exceedances of the Restricted Use SCOs for Industrial Use were detected for benzo(a)pyrene (2.63 mg/kg – 3.36 mg/kg) in all three samples. Dibenzo(a,h)anthracene (0.767 mg/kg – 0.786 mg/kg) were detected above the Restricted Use SCOs for Commercial Use in WC-1C and WC-4C. SVOCs were detected at concentrations exceeding the Restricted Residential Restricted Use SCOs from 10- to 15-foot bgs in all three samples including benzo(a)anthracene (3.41 mg/kg – 3.98 mg/kg), benzo(b)fluoranthene (2.04 mg/kg – 3.06 mg/kg), dibenzo(a,h)anthracene (0.542 mg/kg), and indeno(1,2,3-cd)pyrene (1.18 mg/kg – 2.02 mg/kg). Benzo(k)fluoranthene (2.01 mg/kg – 2.68 mg/kg), chrysene (3.52 mg/kg – 3.88 mg/kg), and 2-methylnaphthalene (0.434 mg/kg) were detected at concentrations exceeding the Residential Restricted Use SCOs from 10- to 15-foot bgs.

Pesticides exceeding the NYSDEC Unrestricted Use SCOs were detected in WC-2C, WC-3C, and WC-4C collected from 10- to 15-foot bgs including 4,4'-DDD (0.0394 mg/kg), 4,4'-DDE (0.00577 mg/kg – 0.0169 mg/kg), and 4,4'-DDT (0.0119 mg/kg – 0.255 mg/kg).

Metals were detected at concentrations exceeding the NYSDEC Commercial Restricted Use SCOs in WC-3C through WC-5C collected from 10- to 15-foot bgs including barium (427 mg/kg – 1,450 mg/kg). Iron (6,730 mg/kg – 17,800 mg/kg) was detected above the Residential Restricted Use SCOs. Lead (156 mg/kg – 317 mg/kg), mercury (0.342 mg/kg – 0.741 mg/kg), and zinc (361 mg/kg – 697 mg/kg) were detected at concentrations exceeding the Unrestricted Use SCOs.

Laboratory Results 15- to 20-Feet BGS

Analytical results revealed no exceedances of the NYSDEC Unrestricted Use SCOs for VOCs, herbicides, and PCBs in any of the soil samples collected from 15- to 20-foot bgs.

SVOCs exceeding the 6 NYCRR Restricted Use SCOs were detected in the 15- to 20-foot depth interval in WC-3D. An exceedance of the Restricted Use SCOs for Industrial Use was detected for benzo(a)pyrene (1.65 mg/kg); no exceedances of the Commercial Restricted Use SCOs were detected. SVOCs were detected at concentrations exceeding the Restricted Residential Restricted Use SCOs from 15- to 20-foot bgs including benzo(a)anthracene (2.29 mg/kg), benzo(b)fluoranthene (1.13 mg/kg), and indeno(1,2,3-cd)pyrene (0.663 mg/kg). Benzo(k)fluoranthene (1.19 mg/kg) and chrysene (2.3 mg/kg) were detected at concentrations exceeding the Residential Restricted Use SCOs from 15- to 20-foot bgs.

Pesticides exceeding the NYSDEC Unrestricted Use SCOs were detected in WC-3D and WC-4D collected from 15- to 20-foot bgs including 4,4'-DDT (0.0197 mg/kg – 0.0596 mg/kg).

Barium (542 mg/kg) was detected at a concentration exceeding the NYSDEC Commercial Restricted Use SCO in WC-5D collected from 15- to 20-foot bgs. Iron (7,400 mg/kg – 13,000 mg/kg) and barium (381 mg/kg) were detected above the Residential Restricted Use SCOs. Lead (73.1 mg/kg – 211 mg/kg), mercury (0.186 mg/kg – 0.466 mg/kg), nickel (30.4 mg/kg – 33.4 mg/kg), and zinc (193 mg/kg – 544 mg/kg) were detected at concentrations exceeding the Unrestricted Use SCOs.

Similar to the results of the RI soil sampling, the presence of historic fill in the southern most sample locations (WC-1 and WC-2) does not appear to have impacted the underlying native material as elevated concentrations of compounds other than iron were not detected in the 15- to 20-foot interval (WC-1D and WC-2D) of these sample locations. However, soil samples collected from the historic fill in the 15- to 20-foot depth interval on the northern portion of the site (WC-3D, WC-4D, and WC-5D) revealed exceedances of the Unrestricted Use SCOs for SVOCs (WC-3D), pesticides (WC-3D and WC-4D), and metals (WC-3D, WC-4D, and WC-5D). The exceedances identified in these samples indicate that impacted historic fill is present in the northern portion of the site within the material proposed to be removed as part of site remediation.

5.0 CONCLUSIONS

The geophysical survey completed during this phase of the investigation did not identify any subsurface metallic anomalies consistent with the presence of USTs within the site boundary.

RI sampling results revealed that no VOCs or PCBs were detected in soil or groundwater samples at concentrations exceeding the 6 NYCRR Unrestricted Use SCOs (for soil) or the GWQS (for groundwater); as such, subsurface impacts associated with historical petroleum releases were not identified.

Polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene, which are commonly associated with the presence of historic fill, were identified in six of eight shallow RI soil samples collected at concentrations exceeding the 6 NYCRR Restricted Use SCOs. Exceedances of the Unrestricted Use SCOs for PAHs were not detected in any RI soil samples collected from the bottom of the proposed excavation depth, including soil samples LSB-8B and LSB-10B collected from native material. However, RI soil samples collected from the historic fill present in the interval below the proposed excavation depth of 20 feet below grade (LSB-2B, LSB-4B through LSB-7B, and LSB-9B) did identify nickel, 4,4'-DDT, lead and mercury at concentrations exceeding the Unrestricted Use SCOs. Similarly, waste characterization analytical results revealed the presence of SVOCs, pesticides, and metals in the central and southern portion of the site between 0- and 15-feet bgs (WC-1 and WC-2) and between 0- and 20-feet bgs in the northern portion of the site (WC-3 through WC-5). These results indicate that impacted historic fill is present in the northern portion of the site within the material proposed to be remediated.

Due to the depth to groundwater of 28-feet below grade, groundwater monitoring wells were installed within the native material, with the exception of LMW-4 where the bottom of the historic fill layer was not encountered. PAHs were not detected in groundwater monitoring wells at concentrations exceeding the GWQS; however, laboratory reporting limits for these compounds ranged from 0.0541 µg/l to 0.0625 µg/l, which are above the GWQS of 0.002 µg/l for these compounds. Based on the absence of PAHs in groundwater samples collected at the site, historic fill impacts identified in the shallow soils have not impacted the groundwater at the site.

Metals including barium, cadmium, hexavalent chromium, lead and mercury were detected in four of eight shallow soil samples at concentrations above the Restricted Use SCOs, and iron was detected in all soil samples collected above the Restricted Use SCOs for Residential Use. Similarly, waste characterization analytical results revealed the presence of metals in the central and southern portion of the site between 0- and 15-foot bgs (WC-1 and WC-2) and between 0- and 20-foot bgs in the northern portion of the site (WC-3 through WC-5). As these metals were not detected in corresponding groundwater samples, with the exception of iron, metal impacts in shallow historic fill have not adversely impacted groundwater conditions at the site.

The VOCs acetone, methylene chloride and toluene were detected in soil samples at concentrations below the Unrestricted Use SCOs and the VOCs acetone, chloroform, and tetrachloroethene (PCE) were detected in groundwater at concentrations below the GWQS. Low levels of these VOCs were also detected in soil vapor samples. Additionally, VOCs detected in soil vapor that are included in the NYSDOH Soil Vapor/Indoor Air Decision Matrices A through C include carbon tetrachloride, methylene chloride, PCE, and trichloroethene (TCE). None of these VOCs were detected at concentrations that require additional investigation, monitoring, or mitigation according to the *NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006*. Petroleum related VOCs benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX) were detected in soil vapor samples; however, as these compounds were not detected in soil or groundwater samples, these soil vapor detections are likely indicative of regional soil vapor impacts and not related to a historical onsite petroleum release. The low level VOC detections in soil vapor would be mitigated via incorporation of waterproofing/vapor barrier system into the cellar slab of the proposed building.

The results of this investigation have identified that the site is underlain by a layer of historic fill up to at least 30 feet thick. Based on the results of the RI and waste characterization soil samples collected, this material is impacted with concentrations of PAHs above the Restricted Residential Restricted Use SCOs and metals above both the

Unrestricted Use and Restricted Use SCOs. While no exceedances of SVOCs or metals were identified in the soil samples collected from the native material encountered at the depth of excavation for the proposed development, exceedances of SVOCs, metals, and pesticides were identified in the fill material that was present from 15- to 20-feet bgs on the northern portion of the site.

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TABLES

TABLE 1
SAMPLE SUMMARY AND RATIONALE
GO Broome Development
Broome Street
New York, New York

Langan Engineering RIR Sampling Rationale							
Matrix	Soil Boring	Sample Name	Sample Depth (ft bgs)	Material	Rationale	Analysis	
Soil	LSB-2	LSB-2A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts from former manufacturing/metalsmithing.	VOCs SVOCs Pesticides PCBs Metals	
		LSB-2B	18'-20'	Fill			
	LSB-4	LSB-4A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts former printer and laundry facilities.		
		LSB-4B	18'-20'	Fill			
	LSB-5	LSB-5A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts former printer and laundry facilities.		
		LSB-5B	18'-20'	Fill			
	LSB-6	LSB-6A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts from adjacent and nearby properties.		
		LSB-6B	18'-20'	Native			
	LSB-7	LSB-7A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts from adjacent and nearby properties.		
		LSB-7B	18'-20'	Fill			
	LSB-8	LSB-8A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts from former printer and laundry facilities.		
		LSB-8B	18'-20'	Native			
	LSB-9	LSB-9A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts from former printer.		
		LSB-9B	18'-20'	Fill			
	LSB-10	LSB-10A	0'-2'	Fill	Site wide soil assessment / Characterization of material to be left in place following site redevelopment / Assess potential impacts from former printer and laundry facilities.		
		LSB-10B	18'-20'	Native			
	Soil	LSB-7 LSB-11	WC-1A	0'-5'	Fill	Soil characterization to evaluate disposal options.	VOCs SVOCs Pesticides Herbicides PCBs EPH Metals Full TCLP RCRA Hazardous Characteristics
			WC-1B	5'-10'			
			WC-1C	10'-15'			
			WC-1D	15'-20'			
LSB-5 LSB-8 LSB-12		WC-2A	0'-5'	Fill	Soil characterization to evaluate disposal options.		
		WC-2B	5'-10'				
		WC-2C	10'-15'				
		WC-2D	15'-20'				
LSB-4 LSB-13 LSB-14		WC-3A	0'-5'	Fill	Soil characterization to evaluate disposal options.		
		WC-3B	5'-10'				
		WC-3C	10'-15'				
		WC-3D	15'-20'				
LSB-2 LSB-9 LSB-15	WC-4A	0'-5'	Fill	Soil characterization to evaluate disposal options.			
	WC-4B	5'-10'					
	WC-4C	10'-15'					
	WC-4D	15'-20'					
LSB-16 LSB-17 LSB-18	WC-5A	0'-5'	Fill	Soil characterization to evaluate disposal options.			
	WC-5B	5'-10'					
	WC-5C	10'-15'					
	WC-5D	15'-20'					
Groundwater	LMW-2		35'	---	Site wide groundwater assessment / Assess potential impacts from former manufacturing and metalsmithing.	VOCs SVOCs Pesticides PCBs Metals Dissolved Metals	
	LMW-4		35'	---	Site wide groundwater assessment / Assess potential impacts from former printer and laundry facilities / Assess potential impacts from adjacent and nearby properties.		
	LMW-5		35'	---	Site wide groundwater assessment / Assess potential impacts from former printer and laundry facilities.		
	LMW-6		35'	---	Site wide groundwater assessment / Assess potential impacts from adjacent and nearby properties.		
Soil Vapor	LSV-2		20'	---	Characterization of soil vapor below the basement of the proposed structure	VOCs	
	LSV-4		20'	---			
	LSV-5		20'	---			
	LSV-6		20'	---			
	LSV-7		20'	---			
	LSV-8		20'	---			
LSV-9		20'	---	---			

TABLE 2A
SUMMARY OF REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					LSB-2A	LSB-2B	LSB-4A	LSB-4B	LSB-5A	LSB-5B	LSB-6A	LSB-6B								
		Unrestricted Use	Protection of Public Health - Restricted Use SCOs				19A1225-01	19A1225-02	19A1155-07	19A1155-08	19A1155-03	19A1155-04	19A1225-03	19A1225-04								
			Residential	Restricted-Residential	Commercial	Industrial	1/29/2019	1/29/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/29/2019	1/29/2019								
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg									
						Q	Q	Q	Q	Q	Q	Q	Q									
Volatile Organics, NJDEP/TCL/Part 375 List																						
1,1,1,2-Tetrachloroethane	630-20-6	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U	
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1,000	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,1,2,2-Tetrachloroethane	79-34-5	—	35	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	—	100	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,1,2-Trichloroethane	79-00-5	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,1-Dichloroethylene	75-35-4	0.33	100	100	500	1,000	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,1-Dichloropropylene	563-58-6	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2,3-Trichlorobenzene	87-61-6	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2,3-Trichloropropane	96-18-4	—	80	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2,4-Trichlorobenzene	120-82-1	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2-Dibromo-3-chloropropane	96-12-8	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2-Dibromoethane	106-93-4	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1,000	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,2-Dichloropropane	78-87-5	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,3-Dichloropropane	142-28-9	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.062	U	0.049	U	0.063	U	0.06	U	0.051	U	0.056	U	0.05	U	0.047	U
2,2-Dichloropropane	594-20-7	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
2-Butanone	78-93-3	0.12	100	100	500	1,000	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
2-Chlorotoluene	95-49-8	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
2-Hexanone	591-78-6	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
4-Chlorotoluene	106-43-4	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
4-Methyl-2-pentanone	108-10-1	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Acetone	67-64-1	0.05	100	100	500	1,000	0.021	U	0.017	U	0.0063	U	0.006	U	0.018	U	0.0056	U	0.012	U	0.015	U
Acrolein	107-02-8	—	—	—	—	—	0.0062	U	0.0049	U	0.0063	U	0.006	U	0.0051	U	0.0056	U	0.005	U	0.0047	U
Acrylonitrile	107-13-1	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Bromobenzene	108-86-1	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Bromochloromethane	74-97-5	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Bromodichloromethane	75-27-4	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Bromoform	75-25-2	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Bromomethane	74-83-9	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Carbon disulfide	75-15-0	—	100	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Carbon tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Chlorobenzene	108-90-7	1.1	100	100	500	1,000	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Chloroethane	75-00-3	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Chloroform	67-66-3	0.37	10	49	350	700	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Chloromethane	74-87-3	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
cis-1,2-Dichloroethylene	156-59-2	0.25	59	100	500	1,000	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
cis-1,3-Dichloropropylene	10061-01-5	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Cyclohexane	110-82-7	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Dibromochloromethane	124-48-1	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Dibromomethane	74-95-3	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Dichlorodifluoromethane	75-71-8	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Ethyl Benzene	100-41-4	1	30	41	390	780	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Hexachlorobutadiene	87-68-3	—	—	—	—	—	0.0031	U	0.0025	U	0.0032	U	0.003	U	0.0025	U	0.0028	U	0.0025	U	0.0023	U
Isopropylbenzene	98-82-8	—	1																			

TABLE 2A
SUMMARY OF REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					LSB-2A	LSB-2B	LSB-4A	LSB-4B	LSB-5A	LSB-5B	LSB-6A	LSB-6B
		Unrestricted Use	Protection of Public Health - Restricted Use SCOs				19A1225-01	19A1225-02	19A1155-07	19A1155-08	19A1155-03	19A1155-04	19A1225-03	19A1225-04
			Residential	Restricted-Residential	Commercial	Industrial	1/29/2019	1/29/2019	1/29/2019	1/29/2019	1/29/2019	1/29/2019	1/29/2019	1/29/2019
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
						Q	Q	Q	Q	Q	Q	Q	Q	
Semi-Volatiles, NJDEP/TCL/Part 375 List														
1,1'-Biphenyl	92-52-4	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
1,2,4,5-Tetrachlorobenzene	95-94-3	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2,3,4,6-Tetrachlorophenol	58-90-2	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
2,4,5-Trichlorophenol	95-95-4	—	100	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2,4,6-Trichlorophenol	88-06-2	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2,4-Dichlorophenol	120-83-2	—	100	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2,4-Dimethylphenol	105-67-9	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2,4-Dinitrophenol	51-28-5	—	100	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
2,4-Dinitrotoluene	121-14-2	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2,6-Dinitrotoluene	606-20-2	—	1.03	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2-Chloronaphthalene	91-58-7	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2-Chlorophenol	95-57-8	—	100	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2-Methylnaphthalene	91-57-6	—	0.41	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
2-Methylphenol	95-48-7	0.33	100	100	500	1,000	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0432 U	
2-Nitroaniline	88-74-4	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
2-Nitrophenol	88-75-5	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
3- & 4-Methylphenols	65794-96-9	330	34,000	100,000	500,000	1,000,000	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0432 U	
3,3'-Dichlorobenzidine	91-94-1	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
3-Nitroaniline	99-09-2	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
4-Chloroaniline	106-47-8	—	100	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
4,6-Dinitro-2-methylphenol	534-52-1	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
4-Bromophenyl phenyl ether	101-55-3	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
4-Chlorophenyl phenyl ether	7005-72-3	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
4-Chloro-3-methylphenol	59-50-7	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
4-Nitroaniline	100-01-6	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
4-Nitrophenol	100-02-7	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	0.0862 U	
Acenaphthene	83-32-9	20	100	100	500	1,000	0.234 D	0.0495 U	0.0506 JD	0.0455 U	0.0714 JD	0.0466 U	0.259 D	
Acenaphthylene	208-96-8	100	100	100	500	1,000	0.549 D	0.0495 U	0.116 D	0.0455 U	0.613 D	0.0466 U	0.423 D	
Acetophenone	98-86-2	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
Aniline	62-53-3	—	48	100	500	1,000	0.193 U	0.198 U	0.184 U	0.182 U	0.184 U	0.186 U	0.173 U	
Anthracene	120-12-7	100	100	100	500	1,000	0.826 D	0.0495 U	0.19 D	0.0455 U	0.605 D	0.0466 U	1.35 D	
Atrazine	1912-24-9	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U	
Benzaldehyde	100-52-7	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.25 D	0.0432 U	
Benidine	92-87-5	—	—	—	—	0.193 U	0.198 U	0.184 U	0.182 U	0.184 U	0.186 U	0.182 U	0.173 U	
Benzo(a)anthracene	56-55-3	1	1	1	5.6	11	3.74 D	0.0495 U	0.666 D	0.0455 U	1.56 D	0.0466 U	2.44 D	
Benzo(a)pyrene	50-32-8	1	1	1	1	1.1	2.29 D	0.0495 U	0.583 D	0.0455 U	1.55 D	0.0466 U	2.17 D	
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	11	2.93 D	0.0495 U	0.517 D	0.0455 U	1.3 D	0.0466 U	1.82 D	
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1,000	2.22 D	0.0495 U	0.399 D	0.0455 U	1.31 D	0.0466 U	1.48 D	
Benzo(k)fluoranthene	207-08-9	0.8	1	3.9	56	110	2.75 D	0.0495 U	0.518 D	0.0455 U	1.37 D	0.0466 U	1.86 D	
Benzoic acid	65-85-0	—	100	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.127 D	
Benzyl alcohol	100-51-6	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Benzyl butyl phthalate	85-68-7	—	100	—	—	—	0.0532 JD	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Bis(2-chloroethoxy)methane	111-91-1	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Bis(2-chloroethyl)ether	111-44-4	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Bis(2-chloroisopropyl)ether	108-60-1	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Bis(2-ethylhexyl)phthalate	117-81-7	—	50	—	—	—	0.0486 JD	0.0495 U	0.0784 JD	0.0455 U	0.303 D	0.0466 U	0.144 D	
Caprolactam	105-60-2	—	—	—	—	—	0.0965 U	0.0988 U	0.0917 U	0.0908 U	0.0921 U	0.0931 U	0.0909 U	
Carbazole	86-74-8	—	—	—	—	—	0.269 D	0.0495 U	0.046 U	0.0455 U	0.169 D	0.0466 U	0.354 D	
Chrysene	218-01-9	1	1	3.9	56	110	3.85 D	0.0495 U	0.691 D	0.0455 U	1.75 D	0.0466 U	2.58 D	
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	0.762 D	0.0495 U	0.171 D	0.0455 U	0.479 D	0.0466 U	0.469 D	
Dibenzofuran	132-64-9	7	14	59	350	1,000	0.0787 JD	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.107 D	
Diethyl phthalate	84-66-2	—	100	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Dimethyl phthalate	131-11-3	—	100	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Di-n-butyl phthalate	84-74-2	—	100	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Di-n-octyl phthalate	117-84-0	—	100	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Fluoranthene	206-44-0	100	100	100	500	1,000	6.83 D	0.0495 U	1.45 D	0.0455 U	3.03 D	0.0466 U	4.38 D	
Fluorene	86-73-7	30	100	100	500	1,000	0.223 D	0.0495 U	0.046 U	0.0455 U	0.101 D	0.0466 U	0.257 D	
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Hexachlorocyclopentadiene	77-47-4	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Hexachloroethane	67-72-1	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	5.6	11	1.9 D	0.0495 U	0.393 D	0.0455 U	1.2 D	0.0466 U	1.25 D	
Isophorone	78-59-1	—	100	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Naphthalene	91-20-3	12	100	100	500	1,000	0.061 JD	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0778 JD	
Nitrobenzene	98-95-3	—	3.7	15	69	140	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
N-Nitrosodimethylamine	62-75-9	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
N-nitroso-di-n-propylamine	621-64-7	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
N-Nitrosodiphenylamine	86-30-6	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	
Phenanthrene	85-01-8	100	100	100	500	1,000	3.25 D	0.0495 U	0.512 D	0.0455 U	1.83 D	0.0466 U	2.78 D	

TABLE 2A
SUMMARY OF REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					LSB-2A	LSB-2B	LSB-4A	LSB-4B	LSB-5A	LSB-5B	LSB-6A	LSB-6B
		Unrestricted Use	Protection of Public Health - Restricted Use SCOs				19A1225-01	19A1225-02	19A1155-07	19A1155-08	19A1155-03	19A1155-04	19A1225-03	19A1225-04
			Residential	Restricted-Residential	Commercial	Industrial	1/29/2019	1/29/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/29/2019	1/29/2019
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
						Q	Q	Q	Q	Q	Q	Q	Q	
Pesticides, EPA TCL List														
4,4'-DDD	72-54-8	0.0033	2.6	13	92	180	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.0133 D	0.00185 U	0.0205 DP	0.0017 U
4,4'-DDE	72-55-9	0.0033	1.8	8.9	62	120	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.026 DP	0.00185 U	0.0018 U	0.0017 U
4,4'-DDT	50-29-3	0.0033	1.7	7.9	47	94	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.157 D	0.00185 U	0.128 DP	0.0017 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
alpha-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
alpha-Chlordane	5103-71-9	0.094	0.91	4.2	24	47	0.00506 DP	0.00196 U	0.00238 D	0.0018 U	0.0136 DP	0.00185 U	0.00485 DP	0.0017 U
beta-BHC	319-85-7	0.036	0.072	0.36	3	14	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Biphenyl	92-52-4	—	—	—	—	—	0.0484 U	0.0495 U	0.046 U	0.0455 U	0.0462 U	0.0466 U	0.0456 U	0.0432 U
Chlordane, total	57-74-9	—	—	—	—	—	0.0381 U	0.0392 U	0.0364 U	0.0359 U	0.097 DP	0.0369 U	0.036 U	0.034 U
delta-BHC	319-86-8	0.04	100	100	500	1,000	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.00411 D	0.00196 U	0.00182 U	0.0018 U	0.00679 D	0.00185 U	0.0018 U	0.0017 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Endosulfan sulfate	1031-07-8	2.4	4.8	24	200	920	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Endrin aldehyde	7421-93-4	—	—	—	—	—	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Endrin ketone	53494-70-5	—	—	—	—	—	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
gamma-BHC (Lindane)	58-89-9	0.1	0.28	1.3	9.2	23	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
gamma-Chlordane	5566-34-7	—	—	—	—	—	0.00448 DP	0.00196 U	0.00268 D	0.0018 U	0.00971 D	0.00185 U	0.00403 DP	0.0017 U
Heptachlor	76-44-8	—	0.42	2.1	15	29	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Heptachlor epoxide	1024-57-3	—	0.077	—	—	—	0.0019 U	0.00196 U	0.00182 U	0.0018 U	0.00182 U	0.00185 U	0.0018 U	0.0017 U
Methoxychlor	72-43-5	—	100	—	—	—	0.00952 U	0.0098 U	0.0091 U	0.00898 U	0.00911 U	0.00924 U	0.00899 U	0.0085 U
Toxaphene	8001-35-2	—	—	—	—	—	0.0963 U	0.0992 U	0.0921 U	0.0909 U	0.0922 U	0.0935 U	0.091 U	0.0861 U
PCBs, EPA TCL List														
Aroclor 1016	12674-11-2	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Aroclor 1221	11104-28-2	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Aroclor 1232	11141-16-5	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Aroclor 1242	53469-21-9	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Aroclor 1248	12672-29-6	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Aroclor 1254	11097-69-1	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Aroclor 1260	11096-82-5	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Total PCBs	1336-36-3	0.1	1	1	1	25	0.0192 U	0.0198 U	0.0184 U	0.0181 U	0.0184 U	0.0187 U	0.0182 U	0.0172 U
Metals, Target Analyte														
Aluminum	7429-90-5	—	—	—	—	—	11,000	6,320	8,190	3,630	4,850	4,420	7,920	2,710
Antimony	7440-36-0	—	—	—	—	—	2.9 U	2.99 U	2.77 U	2.74 U	2.78 U	2.82 U	2.77 U	2.59 U
Arsenic	7440-38-2	13	16	16	16	16	4.92	1.79 U	4.78	1.79	4.05	1.69 U	5.2	1.56 U
Barium	7440-39-3	350	350	400	400	10,000	391	29.9	64.4	55.2	439	37.8	520	27.4
Beryllium	7440-41-7	7.2	14	72	590	2,700	0.058 U	0.06 U	0.055 U	0.055 U	0.056 U	0.056 U	0.055 U	0.052 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	0.77	0.359 U	0.368	0.329 U	11.5	0.338 U	0.585	0.311 U
Calcium	7440-70-2	—	—	—	—	—	70,500	1,560	65,700	6,290	68,400	1,910	49,400	764
Chromium, Total	7440-47-3	30	36	180	1500	6,800	14.8	13.8	17.1	9.83	15.2	10.8	17.3	6.97
Chromium, Hexavalent	18540-29-9	1	22	110	400	800	0.581 U	0.598 U	1.37	0.548 U	0.556 U	0.564 U	0.554 U	0.519 U
Cobalt	7440-48-4	—	30	—	—	—	5.6	6.76	6	6.07	6.24	6.01	4.27	4.41
Copper	7440-50-8	50	270	270	270	10,000	40.6	13.3	25.9	8.67	30.2	11.6	18.6	7.94
Iron	7439-89-6	—	2,000	—	—	—	11,800	12,200	11,300	9,530	16,700	10,400	10,100	5,460
Lead	7439-92-1	63	400	400	1,000	3,900	336	4.45	30.4	3.43	334	3.69	255	1.38
Magnesium	7439-95-4	—	—	—	—	—	6,140	3,010	9,570	5,430	6,920	2,700	3,770	1,560
Manganese	7439-96-5	1,600	2,000	2,000	10,000	10,000	306	393	178	593	222	384	179	161
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	1.22	0.0359 U	0.0408	0.0329 U	0.225	0.0338 U	0.302	0.0311 U
Nickel	7440-02-0	30	140	310	310	10,000	14.5	30.8	13.1	41	17.3	26.6	14.3	14.9
Potassium	7440-09-7	—	—	—	—	—	1,530	1,580	1,790	1,210	1,130	1,180	805	553
Selenium	7782-49-2	3.9	36	180	1,500	6,800	2.9 U	2.99 U	2.77 U	2.74 U	2.78 U	2.82 U	2.77 U	2.59 U
Silver	7440-22-4	2	36	180	1,500	6,800	0.581 U	0.598 U	0.553 U	0.548 U	0.556 U	0.564 U	0.554 U	0.519 U
Sodium	7440-23-5	—	—	—	—	—	791	151	326	130	260	151	817	89.3
Thallium	7440-28-0	—	—	—	—	—	2.9 U	2.99 U	2.77 U	2.74 U	2.78 U	2.82 U	2.77 U	2.59 U
Vanadium	7440-62-2	—	100	—	—	—	26.4	15.6	26.5	11.7	16.1	12.7	25.5	6.7
Zinc	7440-66-6	109	2,200	10,000	10,000	10,000	372	50.6	47.9	15.4	360	20	260	9.62
General Chemistry														
% Solids	solids	—	—	—	—	—	86.1	83.6	90.4	91.3	89.9	88.7	90.2	96.4

Notes:

Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) and 375-6.8(b), last revised 14 December 2006 and the NYSDEC CP-51 Soil Cleanup Guidance dated 21 October 2010.

ft bgs - feet below ground surface

NA: Not analyzed

U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

J: The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

D: Compound analyzed at a secondary dilution factor.

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

B: analyte found in the analysis batch blank

*: Analytical results for these compounds are reported by the laboratory as both VOCs and SVOCs. NYSDEC only provides SCOs for these compounds as VOCs; therefore, the SVOC analytical results for these compounds are screened against the VOC SCOs

Total Chromium is compared to the Trivalent Chromium SCOs for screening purposes.

Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.

TABLE 2A
SUMMARY OF REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					LSB-7A	LSB-7B	DUP-1 (LSB-7B)	LSB-8A	LSB-8B	LSB-9A	LSB-9B	LSB-10A	LSB-10B
		Protection of Public Health - Restricted Use SCOs					19A1289-01	19A1289-02	19A1289-03	19A1155-01	19A1155-02	19A1155-09	19A1155-10	19A1155-05	19A1155-06
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/30/2019 0-2 (1.5-2)	1/30/2019 18-20 (19.5-20)	1/30/2019 18-20 (19.5-20)	1/28/2019 0-2 (1.5-2)	1/28/2019 18-20 (19.5-20)	1/28/2019 0-2 (1.5-2)	1/28/2019 18-20 (19.5-20)	1/28/2019 0-2 (1.5-2)	1/28/2019 18-20 (19.5-20)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Volatile Organics, NJDEP/TCL/Part 375 List															
1,1,1,2-Tetrachloroethane	630-20-6	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,1,2,2-Tetrachloroethane	79-34-5	—	35	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	—	100	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,1,2-Trichloroethane	79-00-5	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,1-Dichloroethylene	75-35-4	0.33	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,1-Dichloropropylene	563-58-6	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2,3-Trichlorobenzene	87-61-6	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2,3-Trichloropropane	96-18-4	—	80	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2,4-Trichlorobenzene	120-82-1	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2-Dibromo-3-chloropropane	96-12-8	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2-Dibromoethane	106-93-4	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,2-Dichloropropane	78-87-5	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,3-Dichloropropane	142-28-9	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.055 U	0.053 U	0.052 U	0.047 U	0.056 U	0.058 U	0.054 U	0.052 U	0.052 U
2,2-Dichloropropane	594-20-7	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
2-Butanone	78-93-3	0.12	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
2-Chlorotoluene	95-49-8	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
2-Hexanone	591-78-6	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
4-Chlorotoluene	106-43-4	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
4-Methyl-2-pentanone	108-10-1	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Acetone	67-64-1	0.05	100	100	500	1,000	0.017	0.014	0.015	0.0057 J	0.013	0.0058 U	0.016	0.0054 J	0.013
Acrolein	107-02-8	—	—	—	—	—	0.0055 U	0.0053 U	0.0052 U	0.0047 U	0.0056 U	0.0058 U	0.0054 U	0.0052 U	0.0052 U
Acrylonitrile	107-13-1	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Bromobenzene	108-86-1	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Bromochloromethane	74-97-5	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Bromodichloromethane	75-27-4	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Bromoform	75-25-2	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Bromomethane	74-83-9	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Carbon disulfide	75-15-0	—	100	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Carbon tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Chlorobenzene	108-90-7	1.1	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Chloroethane	75-00-3	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Chloroform	67-66-3	0.37	10	49	350	700	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Chloromethane	74-87-3	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
cis-1,2-Dichloroethylene	156-59-2	0.25	59	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
cis-1,3-Dichloropropylene	10061-01-5	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Cyclohexane	110-82-7	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Dibromochloromethane	124-48-1	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Dibromomethane	74-95-3	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Dichlorodifluoromethane	75-71-8	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Ethyl Benzene	100-41-4	1	30	41	390	780	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Hexachlorobutadiene	87-68-3	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Isopropylbenzene	98-82-8	—	100	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Methyl acetate	79-20-9	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	62	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Methylcyclohexane	108-87-2	—	—	—	—	—	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
Methylene chloride	75-09-2	0.05	51	100	500	1,000	0.0055 U	0.0058 J	0.006 J	0.0047 U	0.0073 J	0.01 J	0.0054 U	0.0052 U	0.0073 J
n-Butylbenzene	104-51-8	12	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
o-Xylene	95-47-6	0.26	100	100	500	1,000	0.0027 U	0.0026 U	0.0026 U	0.0023 U	0.0028 U	0.0029 U	0.0027 U	0.0026 U	0.0026 U
p- & m- Xylenes	179601-23-1	0.26	100	100	500	1,000	0.0055 U	0.0053 U	0.0052 U	0.0047 U	0.0056 U	0.0058 U	0.0054 U	0.0052 U	0.0052 U
p-Isopropyltoluene															

TABLE 2A
SUMMARY OF REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					LSB-7A	LSB-7B	DUP-1 (LSB-7B)	LSB-8A	LSB-8B	LSB-9A	LSB-9B	LSB-10A	LSB-10B									
		Protection of Public Health - Restricted Use SCOs					19A1289-01	19A1289-02	19A1289-03	19A1155-01	19A1155-02	19A1155-09	19A1155-10	19A1155-05	19A1155-06									
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/30/2019	1/30/2019	1/30/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019								
	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	mg/kg	mg/kg									
Semi-Volatiles, NJDEP/TCL/Part 375 List																								
1,1'-Biphenyl	92-52-4	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
1,2,4,5-Tetrachlorobenzene	95-94-3	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2,3,4,6-Tetrachlorophenol	58-90-2	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
2,4,5-Trichlorophenol	95-95-4	—	100	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2,4,6-Trichlorophenol	88-06-2	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2,4-Dichlorophenol	120-83-2	—	100	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2,4-Dimethylphenol	105-67-9	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2,4-Dinitrophenol	51-28-5	—	100	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
2,4-Dinitrotoluene	121-14-2	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2,6-Dinitrotoluene	606-20-2	—	1.03	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2-Chloronaphthalene	91-58-7	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2-Chlorophenol	95-57-8	—	100	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2-Methylnaphthalene	91-57-6	—	0.41	—	—	0.106	D	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
2-Methylphenol	95-48-7	0.33	100	100	500	1,000	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
2-Nitroaniline	88-74-4	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
2-Nitrophenol	88-75-5	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
3- & 4-Methylphenols	65794-96-9	330	34,000	100,000	500,000	1,000,000	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
3,3'-Dichlorobenzidine	91-94-1	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
3-Nitroaniline	99-09-2	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
4-Chloroaniline	106-47-8	—	100	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
4,6-Dinitro-2-methylphenol	534-52-1	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
4-Bromophenyl phenyl ether	101-55-3	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
4-Chlorophenyl phenyl ether	7005-72-3	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
4-Chloro-3-methylphenol	59-50-7	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
4-Nitroaniline	100-01-6	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
4-Nitrophenol	100-02-7	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U	
Acenaphthene	83-32-9	20	100	100	500	1,000	0.339	D	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
Acenaphthylene	208-96-8	100	100	100	500	1,000	0.423	D	0.0444	U	0.0515	U	0.264	JD	0.0453	U	0.19	D	0.0468	U	0.0838	JD	0.0469	U
Acetophenone	98-86-2	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
Aniline	62-53-3	—	48	100	500	1,000	0.191	U	0.177	U	0.206	U	0.932	U	0.181	U	0.189	U	0.187	U	0.184	U	0.187	U
Anthracene	120-12-7	100	100	100	500	1,000	1.33	D	0.0444	U	0.0515	U	0.357	JD	0.0453	U	0.234	D	0.0468	U	0.0933	D	0.0469	U
Atrazine	1912-24-9	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
Benzaldehyde	100-52-7	—	—	—	—	0.0587	JD	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U	
Benzidine	92-87-5	—	—	—	—	0.191	U	0.177	U	0.206	U	0.932	U	0.181	U	0.189	U	0.187	U	0.184	U	0.187	U	
Benzo(a)anthracene	56-55-3	1	1	1	5.6	11	3.66	D	0.0444	U	0.0515	U	1	D	0.0453	U	0.781	D	0.0468	U	0.365	D	0.0469	U
Benzo(a)pyrene	50-32-8	1	1	1	1	1.1	2.37	D	0.0444	U	0.0515	U	1.07	D	0.0453	U	0.876	D	0.0468	U	0.385	D	0.0469	U
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	11	3.43	D	0.0444	U	0.0515	U	0.871	D	0.0453	U	0.738	D	0.0468	U	0.323	D	0.0469	U
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1,000	2.36	D	0.0444	U	0.0515	U	0.804	D	0.0453	U	0.751	D	0.0468	U	0.305	D	0.0469	U
Benzo(k)fluoranthene	207-08-9	0.8	1	3.9	56	110	2.84	D	0.0444	U	0.0515	U	0.863	D	0.0453	U	0.71	D	0.0468	U	0.317	D	0.0469	U
Benzoic acid	65-85-0	—	100	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
Benzyl alcohol	100-51-6	—	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
Benzyl butyl phthalate	85-68-7	—	100	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0642	JD	0.0461	U	0.0469	U
Bis(2-chloroethoxy)methane	111-91-1	—	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
Bis(2-chloroethyl)ether	111-44-4	—	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
Bis(2-chloroisopropyl)ether	108-60-1	—	—	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.233	U	0.0453	U	0.0472	U	0.0468	U	0.0461	U	0.0469	U
Bis(2-ethylhexyl)phthalate	117-81-7	—	50	—	—	—	0.0478	U	0.0444	U	0.0515	U	0.309	JD	0.0453	U	0.0472	U	0.0717	JD	0.0683	JD	0.0469	U
Caprolactam	105-60-2	—	—	—	—	—	0.0953	U	0.0886	U	0.103	U	0.465	U	0.0904	U	0.0942	U	0.0934	U	0.0919	U	0.0935	U
Carbazole	86-74-8	—	—	—	—	—	0.631	D	0.0444	U	0.0515	U												

TABLE 2A
SUMMARY OF REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					LSB-7A	LSB-7B	DUP-1 (LSB-7B)	LSB-8A	LSB-8B	LSB-9A	LSB-9B	LSB-10A	LSB-10B
		Protection of Public Health - Restricted Use SCOs					19A1289-01	19A1289-02	19A1289-03	19A1155-01	19A1155-02	19A1155-09	19A1155-10	19A1155-05	19A1155-06
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/30/2019	1/30/2019	1/30/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019
		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	
Pesticides, EPA TCL List															
4,4'-DDD	72-54-8	0.0033	2.6	13	92	180	0.00187 U	0.00176 U	0.00203 U	0.00897 D	0.00179 U	0.00567 D	0.00184 U	0.00938 D	0.00184 U
4,4'-DDE	72-55-9	0.0033	1.8	8.9	62	120	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00549 DP	0.00184 U	0.00181 U	0.00184 U
4,4'-DDT	50-29-3	0.0033	1.7	7.9	47	94	0.00287 D	0.00176 U	0.00203 U	0.143 D	0.00179 U	0.0423 D	0.0147 D	0.0987 D	0.00184 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
alpha-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
alpha-Chlordane	5103-71-9	0.094	0.91	4.2	24	47	0.00187 U	0.00176 U	0.00203 U	0.0076 D	0.00179 U	0.00783 D	0.00184 U	0.0122 D	0.00184 U
beta-BHC	319-85-7	0.036	0.072	0.36	3	14	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Biphenyl	92-52-4	—	—	—	—	—	0.0478 U	0.0444 U	0.0515 U	0.233 U	0.0453 U	0.0472 U	0.0468 U	0.0461 U	0.0469 U
Chlordane, total	57-74-9	—	—	—	—	—	0.0375 U	0.0352 U	0.0405 U	0.0837 DP	0.0359 U	0.0393 D	0.0368 U	0.0681 D	0.0369 U
delta-BHC	319-86-8	0.04	100	100	500	1,000	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.00187 U	0.00176 U	0.00203 U	0.00419 DP	0.00179 U	0.00358 D	0.00184 U	0.00492 D	0.00184 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Endosulfan sulfate	1031-07-8	2.4	4.8	24	200	920	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Endrin aldehyde	7421-93-4	—	—	—	—	—	0.00372 D	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Endrin ketone	53494-70-5	—	—	—	—	—	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
gamma-BHC (Lindane)	58-89-9	0.1	0.28	1.3	9.2	23	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
gamma-Chlordane	5566-34-7	—	—	—	—	—	0.00187 U	0.00176 U	0.00203 U	0.0063 D	0.00179 U	0.00618 D	0.00184 U	0.00882 D	0.00184 U
Heptachlor	76-44-8	—	0.42	2.1	15	29	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Heptachlor epoxide	1024-57-3	—	0.077	—	—	—	0.00187 U	0.00176 U	0.00203 U	0.00184 U	0.00179 U	0.00185 U	0.00184 U	0.00181 U	0.00184 U
Methoxychlor	72-43-5	—	100	—	—	—	0.00937 U	0.0088 U	0.0101 U	0.00921 U	0.00897 U	0.00925 U	0.00921 U	0.00903 U	0.00922 U
Toxaphene	8001-35-2	—	—	—	—	—	0.0948 U	0.089 U	0.103 U	0.0932 U	0.0908 U	0.0937 U	0.0932 U	0.0914 U	0.0933 U
PCBs, EPA TCL List															
Aroclor 1016	12674-11-2	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Aroclor 1221	11104-28-2	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Aroclor 1232	11141-16-5	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Aroclor 1242	53469-21-9	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Aroclor 1248	12672-29-6	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Aroclor 1254	11097-69-1	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Aroclor 1260	11096-82-5	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Total PCBs	1336-36-3	0.1	1	1	1	25	0.0189 U	0.0178 U	0.0205 U	0.0186 U	0.0181 U	0.0187 U	0.0186 U	0.0182 U	0.0186 U
Metals, Target Analyte															
Aluminum	7429-90-5	—	—	—	—	—	5,160	3,840	3,910	9,950	5,330	8,720	10,800	7,370	4,230
Antimony	7440-36-0	—	—	—	—	—	2.89 U	2.68 U	3.11 U	2.8 U	2.73 U	2.83 U	2.82 U	2.76 U	2.81 U
Arsenic	7440-38-2	13	16	16	16	16	1.74 U	1.61 U	1.87 U	4.95	1.64 U	5.88	4.29	6.74	1.69 U
Barium	7440-39-3	350	350	400	400	10,000	86.6	21.5	33.8	122	44.2	323	133	215	37.2
Beryllium	7440-41-7	7.2	14	72	590	2,700	0.058 U	0.054 U	0.062 U	0.056 U	0.055 U	0.057 U	0.056 U	0.055 U	0.056 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	0.347 U	0.322 U	0.373 U	0.438	0.327 U	0.538	0.64	0.402	0.338 U
Calcium	7440-70-2	—	—	—	—	—	14,900	2,300	1,600	64,300	1,660	70,700	37,200	52,700	1,280
Chromium, Total	7440-47-3	30	36	180	1500	6,800	11	7.92	8.46	24.9	11.8	20.4	23.1	15.1	9.65
Chromium, Hexavalent	18540-29-9	1	22	110	400	800	0.579 U	0.537 U	0.622 U	0.56 U	0.546 U	0.566 U	0.564 U	0.553 U	0.563 U
Cobalt	7440-48-4	—	30	—	—	—	5.4	5.09	4.75	12.1	5.23	7.22	12.2	6.46	4.4
Copper	7440-50-8	50	270	270	270	10,000	14.8	10.9	10.4	60.8	13.1	32	46.4	30.3	9.23
Iron	7439-89-6	—	2,000	—	—	—	9,400	8,300	8,200	19,000	12,400	13,800	17,300	13,800	9,550
Lead	7439-92-1	63	400	400	1,000	3,900	456	3.83	2.86	65.4	4.3	178	123	283	3.35
Magnesium	7439-95-4	—	—	—	—	—	3,200	2,750	2,150	28,000	2,380	12,900	4,750	5,970	1,840
Manganese	7439-96-5	1,600	2,000	2,000	10,000	10,000	295	300	311	231	217	235	289	199	220
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.223	0.0322 U	0.0373 U	0.192	0.0327 U	0.202	0.657	0.115	0.0338 U
Nickel	7440-02-0	30	140	310	310	10,000	22.7	17.2	16	27.4	15.4	18.4	41.7	16.8	16.8
Potassium	7440-09-7	—	—	—	—	—	950	820	923	4,290	1,290	2,140	3,560	1,580	967
Selenium	7782-49-2	3.9	36	180	1,500	6,800	2.89 U	2.68 U	3.11 U	2.8 U	2.73 U	2.83 U	2.82 U	2.76 U	2.81 U
Silver	7440-22-4	2	36	180	1,500	6,800	0.579 U	0.537 U	0.622 U	0.56 U	0.546 U	0.566 U	0.564 U	0.553 U	0.563 U
Sodium	7440-23-5	—	—	—	—	—	109	178	153	236	145	333	312	365	105
Thallium	7440-28-0	—	—	—	—	—	2.89 U	2.68 U	3.11 U	2.8 U	2.73 U	2.83 U	2.82 U	2.76 U	2.81 U
Vanadium	7440-62-2	—	100	—	—	—	14.9	9.87	9.22	35.8	15.4	32.6	24.8	25.5	10.5
Zinc	7440-66-6	109	2,200	10,000	10,000	10,000	94.7	16.1	15.7	353	21.4	217	273	192	16.6
General Chemistry															
% Solids	solids	—	—	—	—	—	86.4	93.2	80.3	89.3	91.6	88.3	88.7	90.4	88.9

Notes:
 Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8 ft bgs - feet below ground surface
 NA: Not analyzed
 U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
 J: The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
 D: Compound analyzed at a secondary dilution factor.
 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
 B: analyte found in the analysis batch blank
 *: Analytical results for these compounds are reported by the laboratory as both VOCs and SVOCs. NYSDEC only provides SCOs for these compounds as VOCs; therefore, the SVOC at Total Chromium is compared to the Trivalent Chromium SCOs for screening purposes.
Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.

TABLE 2B
SUMMARY OF WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					WC-1A	WC-1B	WC-1C	WC-1D	WC-2A	WC-2B	WC-2C	WC-2D	WC-3A	WC-3B	WC-3C	WC-3D												
		Protection of Public Health - Restricted Use SCOs					19A1288-01	19A1288-02	19A1288-03	19A1288-04	19A1157-01	19A1157-02	19A1157-03	19A1157-04	19A1157-05	19A1157-06	19A1157-07	19A1157-08												
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/30/2019 0-5	1/30/2019 5-10	1/30/2019 10-15	1/30/2019 15-20	1/28/2019 0-5	1/28/2019 5-10	1/28/2019 10-15	1/28/2019 15-20	1/28/2019 0-5	1/28/2019 5-10	1/28/2019 10-15	1/28/2019 15-20												
Volatile Organics, NJDEP/TCL/Part 375 List																														
1,1,1,2-Tetrachloroethane	630-20-6	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U	
1,1,1-Trichloroethane	71-55-6	0.68	100	—	500	1,000	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,1,2,2-Tetrachloroethane	79-34-5	—	35	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	—	100	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,1,2-Trichloroethane	79-00-5	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,1-Dichloroethylene	75-35-4	0.33	100	100	500	1,000	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2,3-Trichlorobenzene	87-61-6	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2,4-Trichlorobenzene	120-82-1	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2-Dibromo-3-chloropropane	96-12-8	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2-Dibromoethane	106-93-4	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1,000	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,2-Dichloropropane	78-87-5	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.062	U	0.061	U	0.049	U	0.044	U	0.049	U	0.052	U	0.058	U	0.049	U	0.062	U	0.056	U	0.064	U	0.059	U
2-Butanone	78-93-3	0.12	100	100	500	1,000	0.016	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
2-Hexanone	591-78-6	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
4-Methyl-2-pentanone	108-10-1	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Acetone	67-64-1	0.05	100	100	500	1,000	0.19	U	0.02	U	0.0049	U	0.0048	U	0.0049	U	0.0052	U	0.0058	U	0.0064	U	0.0062	U	0.0056	U	0.0064	U	0.0059	U
Acrolein	107-02-8	—	—	—	—	—	0.0062	U	0.0061	U	0.0049	U	0.0044	U	0.0049	U	0.0052	U	0.0058	U	0.0064	U	0.0062	U	0.0056	U	0.0064	U	0.0059	U
Acrylonitrile	107-13-1	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Bromochloromethane	74-97-5	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Bromodichloromethane	75-27-4	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Bromoform	75-25-2	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Bromomethane	74-83-9	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Carbon disulfide	75-15-0	—	100	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Carbon tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Chlorobenzene	108-90-7	1.1	100	100	500	1,000	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Chloroethane	75-00-3	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Chloroform	67-66-3	0.37	10	49	350	700	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
Chloromethane	74-87-3	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
cis-1,2-Dichloroethylene	156-59-2	0.25	59	100	500	1,000	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0032	U	0.003	U
cis-1,3-Dichloropropylene	10061-01-5	—	—	—	—	—	0.0031	U	0.0031	U	0.0024	U	0.0022	U	0.0024	U	0.0026	U	0.0029	U	0.0025	U	0.0031	U	0.0028	U	0.0			

TABLE 2B
SUMMARY OF WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					WC-4A	WC-4B	WC-4C	WC-4D	WC-5A	WC-5B	WC-5C	WC-5D	DUP-1 (WC-5D)									
		Protection of Public Health - Restricted Use SCOs					19A1224-01	19A1224-02	19A1224-03	19A1224-04	19A1224-05	19A1224-06	19A1224-07	19A1224-08	19A1224-09									
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/29/2019 0-5	1/29/2019 5-10	1/29/2019 10-15	1/29/2019 15-20	1/29/2019 0-5	1/29/2019 5-10	1/29/2019 10-15	1/29/2019 15-20	1/29/2019 15-20									
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q									
Volatile Organics, NJDEP/TCL/Part 375 List																								
1,1,1,2-Tetrachloroethane	630-20-6	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U	
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1,000	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,1,2,2-Tetrachloroethane	79-34-5	—	35	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	—	100	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,1,2-Trichloroethane	79-00-5	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,1-Dichloroethylene	75-35-4	0.33	100	100	500	1,000	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2,3-Trichlorobenzene	87-61-6	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2,4-Trichlorobenzene	120-82-1	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2-Dibromo-3-chloropropane	96-12-8	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2-Dibromoethane	106-93-4	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1,000	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,2-Dichloropropane	78-87-5	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.057	U	0.059	U	0.06	U	0.047	U	0.06	U	0.063	U	0.055	U	0.051	U	0.054	U
2-Butanone	78-93-3	0.12	100	100	500	1,000	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
2-Hexanone	591-78-6	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
4-Methyl-2-pentanone	108-10-1	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Acetone	67-64-1	0.05	100	100	500	1,000	0.0057	U	0.0059	U	0.006	U	0.0055	J	0.02	U	0.0099	J	0.0055	U	0.0051	U	0.0054	U
Acrolein	107-02-8	—	—	—	—	—	0.0057	U	0.0059	U	0.006	U	0.0047	U	0.006	U	0.0063	U	0.0055	U	0.0051	U	0.0054	U
Acrylonitrile	107-13-1	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Bromochloromethane	74-97-5	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Bromodichloromethane	75-27-4	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Bromoform	75-25-2	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Bromomethane	74-83-9	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Carbon disulfide	75-15-0	—	100	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Carbon tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Chlorobenzene	108-90-7	1.1	100	100	500	1,000	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Chloroethane	75-00-3	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Chloroform	67-66-3	0.37	10	49	350	700	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Chloromethane	74-87-3	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
cis-1,2-Dichloroethylene	156-59-2	0.25	59	100	500	1,000	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
cis-1,3-Dichloropropylene	10061-01-5	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Cyclohexane	110-82-7	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Dibromochloromethane	124-48-1	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Dibromomethane	74-95-3	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Dichlorodifluoromethane	75-71-8	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Ethyl Benzene	100-41-4	1	30	41	390	780	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Hexachlorobutadiene	87-68-3	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Isopropylbenzene	98-82-8	—	100	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Methyl acetate	79-20-9	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	62	100	500	1,000	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U	0.0031	U	0.0028	U	0.0025	U	0.0027	U
Methylcyclohexane	108-87-2	—	—	—	—	—	0.0029	U	0.003	U	0.003	U	0.0024	U	0.003	U								

TABLE 2B
SUMMARY OF WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					WC-1A	WC-1B	WC-1C	WC-1D	WC-2A	WC-2B	WC-2C	WC-2D	WC-3A	WC-3B	WC-3C	WC-3D												
		Protection of Public Health - Restricted Use SCOs					19A1288-01	19A1288-02	19A1288-03	19A1288-04	19A1157-01	19A1157-02	19A1157-03	19A1157-04	19A1157-05	19A1157-06	19A1157-07	19A1157-08												
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/30/2019	1/30/2019	1/30/2019	1/30/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019											
		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	mg/kg	mg/kg	mg/kg	mg/kg												
Semi-Volatiles, NJDEP/TCL/Part 375 List																														
1,1'-Biphenyl	92-52-4	—	—	—	—	0.0487	U	0.12	D	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0826	JD	0.0976	JD	0.0546	JD	
1,2,4,5-Tetrachlorobenzene	95-94-3	—	—	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2,3,4,6-Tetrachlorophenol	58-90-2	—	—	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U	
2,4,5-Trichlorophenol	95-95-4	—	100	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2,4,6-Trichlorophenol	88-06-2	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2,4-Dichlorophenol	120-83-2	—	100	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2,4-Dimethylphenol	105-67-9	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2,4-Dinitrophenol	51-28-5	—	100	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U	
2,4-Dinitrotoluene	121-14-2	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2,6-Dinitrotoluene	606-20-2	—	1.03	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2-Chloronaphthalene	91-58-7	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2-Chlorophenol	95-57-8	—	100	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U	
2-Methylnaphthalene	91-57-6	—	0.41	—	—	0.0487	U	0.452	D	0.114	D	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.29	D	0.434	D	0.239	D	
2-Methylphenol	95-48-7	0.33	100	—	500	1,000	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
2-Nitroaniline	88-74-4	—	—	—	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U
2-Nitrophenol	88-75-5	—	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
3- & 4-Methylphenols	65794-96-9	330	34,000	100,000	500,000	1,000,000	0.0487	U	0.0681	JD	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
3,3'-Dichlorobenzidine	91-94-1	—	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
3-Nitroaniline	99-09-2	—	—	—	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U
4-Chloroaniline	106-47-8	—	100	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
4,6-Dinitro-2-methylphenol	534-52-1	—	—	—	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U
4-Bromophenyl phenyl ether	101-55-3	—	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
4-Chlorophenyl phenyl ether	7005-72-3	—	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
4-Chloro-3-methylphenol	59-50-7	—	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
4-Nitroaniline	100-01-6	—	—	—	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U
4-Nitrophenol	100-02-7	—	—	—	—	—	0.0972	U	0.0991	U	0.0904	U	0.089	U	0.0978	U	0.095	U	0.0874	U	0.0925	U	0.45	U	0.0966	U	0.1	U	0.0975	U
Acenaphthene	83-32-9	20	100	100	500	1,000	0.257	D	1.21	D	0.433	D	0.0448	JD	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.789	D	0.875	D	0.473	D
Acenaphthylene	208-96-8	100	100	100	500	1,000	0.727	D	1.84	D	0.432	D	0.0918	D	0.136	D	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.49	D	0.283	D	0.189	D
Acetophenone	98-86-2	—	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
Anthracene	120-12-7	100	100	100	500	1,000	1.03	D	4.44	D	1.59	D	0.174	D	0.157	D	0.0476	U	0.0438	U	0.0464	U	0.356	JD	2.25	D	2.05	D	1.13	D
Atrazine	1912-24-9	—	—	—	—	—	0.0487	U	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
Benzaldehyde	100-52-7	—	—	—	—	—	0.0606	JD	0.0496	U	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0484	U	0.0502	U	0.0489	U
Benzidine	92-87-5	—	—	—	—	—	0.195	U	0.198	U	0.181	U	0.178	U	0.196	U	0.19	U	0.175	U	0.185	U	0.902	U	0.193	U	0.2	U	0.195	U
Benzo(a)anthracene	56-55-3	1	1	1	5.6	11	4.11	D	13.6	D	3.98	D	0.634	D	0.574	D	0.173	D	0.0531	JD	0.0464	U	1.18	D	4.35	D	3.75	D	2.29	D
Benzo(a)pyrene	50-32-8	1	1	1	1	1.1	3.11	D	2.27	D	0.669	D	0.584	D	0.578	D	0.154	D	0.0438	U	0.0464	U	1.19	D	2.11	D	2.63	D	1.65	D
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	11	3.54	D	11	D	2.76	D	0.479	D	0.606	D	0.142	D	0.0438	U	0.0464	U	1.08	D	2.67	D	2.04	D	1.13	D
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1,000	3	D	7.09	D	2.15	D	0.366	D	0.539	D	0.142	D	0.0438	U	0.0464	U	0.914	D	1.78	D	1.35	D	0.778	D
Benzo(k)fluoranthene	207-08-9	0.8	1	3.9	56	110	3.06	D	9.36	D	2.64	D	0.482	D	0.545	D	0.134	D	0.0438											

TABLE 2B
SUMMARY OF WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					WC-4A	WC-4B	WC-4C	WC-4D	WC-5A	WC-5B	WC-5C	WC-5D	DUP-1 (WC-5D)									
		Protection of Public Health - Restricted Use SCOs					19A1224-01	19A1224-02	19A1224-03	19A1224-04	19A1224-05	19A1224-06	19A1224-07	19A1224-08	19A1224-09									
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/29/2019 0-5	1/29/2019 5-10	1/29/2019 10-15	1/29/2019 15-20	1/29/2019 0-5	1/29/2019 5-10	1/29/2019 10-15	1/29/2019 15-20	1/29/2019 15-20									
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Q	Q	Q	Q	Q	Q	Q	Q	Q										
Semi-Volatiles, NJDEP/TCL/Part 375 List																								
1,1'-Biphenyl	92-52-4	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
1,2,4,5-Tetrachlorobenzene	95-94-3	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2,3,4,6-Tetrachlorophenol	58-90-2	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
2,4,5-Trichlorophenol	95-95-4	—	100	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2,4,6-Trichlorophenol	88-06-2	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2,4-Dichlorophenol	120-83-2	—	100	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2,4-Dimethylphenol	105-67-9	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2,4-Dinitrophenol	51-28-5	—	100	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
2,4-Dinitrotoluene	121-14-2	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2,6-Dinitrotoluene	606-20-2	—	1.03	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2-Chloronaphthalene	91-58-7	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2-Chlorophenol	95-57-8	—	100	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
2-Methylnaphthalene	91-57-6	—	0.41	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.311	JD	0.0486	U	0.0535	JD	0.0474	U	0.0465	U	
2-Methylphenol	95-48-7	0.33	100	100	500	1,000	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U
2-Nitroaniline	88-74-4	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
2-Nitrophenol	88-75-5	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
3- & 4-Methylphenols	65794-96-9	330	34,000	100,000	500,000	1,000,000	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U
3,3'-Dichlorobenzidine	91-94-1	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
3-Nitroaniline	99-09-2	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
4-Chloroaniline	106-47-8	—	100	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
4,6-Dinitro-2-methylphenol	534-52-1	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
4-Bromophenyl phenyl ether	101-55-3	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
4-Chlorophenyl phenyl ether	7005-72-3	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
4-Chloro-3-methylphenol	59-50-7	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
4-Nitroaniline	100-01-6	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
4-Nitrophenol	100-02-7	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
Acenaphthene	83-32-9	20	100	100	500	1,000	0.11	D	0.0472	U	0.232	D	0.0493	U	0.988	D	0.102	D	0.15	D	0.0847	JD	0.0594	JD
Acenaphthylene	208-96-8	100	100	100	500	1,000	0.237	D	0.0472	U	0.515	D	0.0645	JD	1.19	D	0.283	D	0.164	D	0.133	D	0.0883	JD
Acetophenone	98-86-2	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Anthracene	120-12-7	100	100	100	500	1,000	0.434	D	0.0472	U	0.914	D	0.114	D	2.85	D	0.393	D	0.387	D	0.258	D	0.177	D
Atrazine	1912-24-9	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Benzaldehyde	100-52-7	—	—	—	—	0.0518	JD	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Benzidine	92-87-5	—	—	—	—	0.2	U	0.189	U	0.193	U	0.197	U	0.937	U	0.194	U	0.194	U	0.189	U	0.186	U	
Benzo(a)anthracene	56-55-3	1	1	1	5.6	11	1.75	D	0.0941	D	3.41	D	0.471	D	7.91	D	1.41	D	0.839	D	0.849	D	0.459	D
Benzo(a)pyrene	50-32-8	1	1	1	1	1.1	1.81	D	0.0911	JD	3.36	D	0.473	D	6.82	D	1.26	D	0.726	D	0.75	D	0.433	D
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	11	1.68	D	0.0896	JD	3.06	D	0.418	D	5.84	D	1.1	D	0.664	D	0.731	D	0.37	D
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1,000	1.34	D	0.0707	JD	2.31	D	0.329	D	4.04	D	0.821	D	0.476	D	0.502	D	0.279	D
Benzo(k)fluoranthene	207-08-9	0.8	1	3.9	56	110	1.56	D	0.073	JD	2.68	D	0.397	D	5.3	D	1.09	D	0.604	D	0.638	D	0.36	D
Benzoic acid	65-85-0	—	100	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Benzyl butyl phthalate	85-68-7	—	100	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Bis(2-chloroethoxy)methane	111-91-1	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Bis(2-chloroethyl)ether	111-44-4	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Bis(2-chloroisopropyl)ether	108-60-1	—	—	—	—	0.05	U	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0465	U	
Bis(2-ethylhexyl)phthalate	117-81-7	—	50	—	—	0.0646	JD	0.0472	U	0.0484	U	0.0493	U	0.235	U	0.0486	U	0.0486	U	0.0474	U	0.0564	JD	
Caprolactam	105-60-2	—	—	—	—	0.0997	U	0.0941	U	0.0966	U	0.0984	U	0.468	U	0.097	U	0.097	U	0.0946	U	0.0928	U	
Carbazole	86-74-8	—	—	—	—	0.185	D	0.0472	U	0.0484	D	0.0493	U	0.745	D	0.134	D	0.136	D	0.129	D	0.072	JD	
Chrysene	218-01-9	1	1	3.9	56	110	1.92	D	0.0993	D	3.52	D	0.51	D	8.28	D	1.54	D	0.915	D	0.966	D	0.5	D
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	0.43	D	0.0472	U	0.786	D	0.114	D	1.49	D	0.287	D	0.171	D	0.176	D	0.0987	D
Dibenzofuran	132-64-9	7	14	59	350	1,000	0.05	U	0.0472	U	0.0949	JD	0.0493	U	0.453	JD								

TABLE 2B
SUMMARY OF WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					WC-1A	WC-1B	WC-1C	WC-1D	WC-2A	WC-2B	WC-2C	WC-2D	WC-3A	WC-3B	WC-3C	WC-3D											
		Protection of Public Health - Restricted Use SCOs					19A1288-01	19A1288-02	19A1288-03	19A1288-04	19A1157-01	19A1157-02	19A1157-03	19A1157-04	19A1157-05	19A1157-06	19A1157-07	19A1157-08											
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/30/2019	1/30/2019	1/30/2019	1/30/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/28/2019										
	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg											
Herbicides, NJDEP/TCL/Part 375 List																													
2,4,5-T	93-76-5	—	100	—	—	0.0234	U	0.0237	U	0.0217	U	0.0215	U	0.0233	U	0.0224	U	0.021	U	0.022	U	0.0215	U	0.023	U	0.024	U	0.0233	U
2,4,5-TP (Silvex)	93-72-1	3.8	58	100	500	0.0234	U	0.0237	U	0.0217	U	0.0215	U	0.0233	U	0.0224	U	0.021	U	0.022	U	0.0215	U	0.023	U	0.024	U	0.0233	U
2,4-D	94-75-7	—	100	—	—	0.0234	U	0.0237	U	0.0217	U	0.0215	U	0.0233	U	0.0224	U	0.021	U	0.022	U	0.0215	U	0.023	U	0.024	U	0.0233	U
Pesticides, EPA TCL List																													
4,4'-DDD	72-54-8	0.0033	2.6	13	92	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00982	D	0.0105	DP	0.0394	D	0.00184	U	0.00178	U	0.00286	DP	0.00243	D	0.00202	DP
4,4'-DDE	72-55-9	0.0033	1.8	8.9	62	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.0277	DP	0.0385	DP	0.0169	DP	0.00184	U	0.00178	U	0.00192	U	0.00577	DP	0.003	DP
4,4'-DDT	50-29-3	0.0033	1.7	7.9	47	0.143	D	0.0139	D	0.00178	U	0.00177	U	0.197	D	0.479	DE	0.255	D	0.00184	U	0.0342	D	0.0511	D	0.0279	D	0.0197	D
Aldrin	309-00-2	0.005	0.019	0.097	0.68	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
alpha-BHC	319-84-6	0.02	0.097	0.48	3.4	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
alpha-Chlordane	5103-71-9	0.094	0.91	4.2	24	0.0166	D	0.00324	D	0.00178	U	0.00177	U	0.012	D	0.00749	D	0.00172	U	0.00184	U	0.00662	D	0.00487	D	0.00335	D	0.00189	U
beta-BHC	319-85-7	0.036	0.072	0.36	3	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Biphenyl	92-52-4	—	—	—	—	0.0487	U	0.12	D	0.0453	U	0.0446	U	0.049	U	0.0476	U	0.0438	U	0.0464	U	0.226	U	0.0826	JD	0.0976	JD	0.0546	JD
Chlordane, total	57-74-9	—	—	—	—	0.076	D	0.0391	U	0.0357	U	0.0353	U	0.111	D	0.108	DP	0.0345	U	0.0367	U	0.0356	U	0.0383	U	0.0396	U	0.0378	U
delta-BHC	319-86-8	0.04	100	100	500	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	0.00881	DP	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.0059	D	0.00172	U	0.00184	U	0.00496	D	0.00192	U	0.00198	U	0.00189	U
Endosulfan I	959-98-8	2.4	4.8	24	200	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.116	D	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Endosulfan II	33213-65-9	2.4	4.8	24	200	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Endosulfan sulfate	1031-07-8	2.4	4.8	24	200	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Endrin	72-20-8	0.014	2.2	11	89	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Endrin aldehyde	7421-93-4	—	—	—	—	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00534	D	0.00189	U
Endrin ketone	53494-70-5	—	—	—	—	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
gamma-BHC (Lindane)	58-89-9	0.1	0.28	1.3	9.2	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Heptachlor	76-44-8	—	0.42	2.1	15	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Heptachlor epoxide	1024-57-3	—	0.077	—	—	0.00193	U	0.00195	U	0.00178	U	0.00177	U	0.00192	U	0.00189	U	0.00172	U	0.00184	U	0.00178	U	0.00192	U	0.00198	U	0.00189	U
Methoxychlor	72-43-5	—	100	—	—	0.00965	U	0.00977	U	0.00892	U	0.00883	U	0.00943	U	0.00943	U	0.00861	U	0.00918	U	0.00891	U	0.00959	U	0.0099	U	0.00946	U
Toxaphene	8001-35-2	—	—	—	—	0.0976	U	0.0988	U	0.0903	U	0.0894	U	0.0973	U	0.0954	U	0.0872	U	0.093	U	0.0902	U	0.097	U	0.1	U	0.0957	U
PCBs, EPA TCL List																													
Aroclor 1016	12674-11-2	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Aroclor 1221	11104-28-2	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Aroclor 1232	11141-16-5	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Aroclor 1242	53469-21-9	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Aroclor 1248	12672-29-6	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Aroclor 1254	11097-69-1	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Aroclor 1260	11096-82-5	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Total PCBs	1336-36-3	0.1	1	1	1	0.0195	U	0.0197	U	0.018	U	0.0178	U	0.0194	U	0.019	U	0.0174	U	0.0185	U	0.018	U	0.0194	U	0.02	U	0.0191	U
Metals, Target Analyte																													
Aluminum	7429-90-5	—	—	—	—	6,810		6,880		3,140		3,790		6,810		4,930		3,130		4,560		7,400		5,430		4,150		4,160	
Antimony	7440-36-0	—	—	—	—	2.93	U	2.98	U	2.73	U	2.69	U	2.94	U	2.88	U	2.64	U	2.79	U	2.72	U	3.09	U	3.01	U	2.93	U
Arsenic	7440-38-2	13	16	16	16	7.93	U	1.79	U	1.64	U	1.62	U	2.9	U	4.6	U	1.58	U	1.68	U	4.68	U	5.87	U	4.52	U	1.76	U
Barium	7440-39-3	350	350	400	400	548		252		66.3		55.5		405		326		48		33.3		515		527		1,450		108	
Beryllium	7440-41-7	7.2	14	72	590	0.059	U	0.06	U	0.055	U	0.054	U	0.059	U	0.058	U	0.053	U	0.056	U	0.054	U	0.058	U	0.06	U	0.059	U
Cadmium	7440-43-9	2.5																											

TABLE 2B
SUMMARY OF WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sample Date: Sample Depth/VOC Sample Depth (ft bgs): Units:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					WC-4A	WC-4B	WC-4C	WC-4D	WC-5A	WC-5B	WC-5C	WC-5D	DUP-1 (WC-5D)
		Protection of Public Health - Restricted Use SCOs					19A1224-01	19A1224-02	19A1224-03	19A1224-04	19A1224-05	19A1224-06	19A1224-07	19A1224-08	19A1224-09
		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	1/29/2019 0-5	1/29/2019 5-10	1/29/2019 10-15	1/29/2019 15-20	1/29/2019 0-5	1/29/2019 5-10	1/29/2019 10-15	1/29/2019 15-20	1/29/2019 15-20
	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	mg/kg	
Herbicides, NJDEP/TCL/Part 375 List															
2,4,5-T	93-76-5	—	100	—	—	—	0.0239 U	0.0228 U	0.0233 U	0.0236 U	0.0224 U	0.0234 U	0.0231 U	0.0227 U	0.0226 U
2,4,5-TP (Silvex)	93-72-1	3.8	58	100	500	1,000	0.0239 U	0.0228 U	0.0233 U	0.0236 U	0.0224 U	0.0234 U	0.0231 U	0.0227 U	0.0226 U
2,4-D	94-75-7	—	100	—	—	—	0.0239 U	0.0228 U	0.0233 U	0.0236 U	0.0224 U	0.0234 U	0.0231 U	0.0227 U	0.0226 U
Pesticides, EPA TCL List															
4,4'-DDD	72-54-8	0.0033	2.6	13	92	180	0.00808 D	0.00184 U	0.00189 U	0.0029 U	0.00279 DP	0.00193 U	0.00189 U	0.00187 U	0.00184 U
4,4'-DDE	72-55-9	0.0033	1.8	8.9	62	120	0.00195 U	0.00184 U	0.00214 D	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
4,4'-DDT	50-29-3	0.0033	1.7	7.9	47	94	0.0364 D	0.00184 U	0.0119 DP	0.0596 D	0.012 D	0.0087 D	0.00189 U	0.00187 U	0.00184 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
alpha-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
alpha-Chlordane	5103-71-9	0.094	0.91	4.2	24	47	0.00648 D	0.00184 U	0.00189 U	0.0029 U	0.00438 DP	0.00193 U	0.00189 U	0.00187 U	0.00184 U
beta-BHC	319-85-7	0.036	0.072	0.36	3	14	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Biphenyl	92-52-4	—	—	—	—	—	0.05 U	0.0472 U	0.0484 U	0.0493 U	0.235 U	0.0486 U	0.0486 U	0.0474 U	0.0465 U
Chlordane, total	57-74-9	—	—	—	—	—	0.0391 U	0.0369 U	0.0377 U	0.058 U	0.0366 U	0.0386 U	0.0379 U	0.0374 U	0.0369 U
delta-BHC	319-86-8	0.04	100	100	500	1,000	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.00528 D	0.00184 U	0.00229 DP	0.00358 D	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Endosulfan sulfate	1031-07-8	2.4	4.8	24	200	920	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Endrin aldehyde	7421-93-4	—	—	—	—	—	0.00208 D	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Endrin ketone	53494-70-5	—	—	—	—	—	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
gamma-BHC (Lindane)	58-89-9	0.1	0.28	1.3	9.2	23	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Heptachlor	76-44-8	—	0.42	2.1	15	29	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Heptachlor epoxide	1024-57-3	—	0.077	—	—	—	0.00195 U	0.00184 U	0.00189 U	0.0029 U	0.00183 U	0.00193 U	0.00189 U	0.00187 U	0.00184 U
Methoxychlor	72-43-5	—	100	—	—	—	0.00977 U	0.00922 U	0.00943 U	0.0145 U	0.00965 U	0.00947 U	0.00936 U	0.00922 U	0.00922 U
Toxaphene	8001-35-2	—	—	—	—	—	0.0989 U	0.0933 U	0.0954 U	0.147 U	0.0925 U	0.0977 U	0.0958 U	0.0947 U	0.0933 U
PCBs, EPA TCL List															
Aroclor 1016	12674-11-2	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Aroclor 1221	11104-28-2	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Aroclor 1232	11141-16-5	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Aroclor 1242	53469-21-9	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Aroclor 1248	12672-29-6	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Aroclor 1254	11097-69-1	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Aroclor 1260	11096-82-5	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Total PCBs	1336-36-3	0.1	1	1	1	25	0.0197 U	0.0186 U	0.019 U	0.0293 U	0.0185 U	0.0195 U	0.0191 U	0.0189 U	0.0186 U
Metals, Target Analyte															
Aluminum	7429-90-5	—	—	—	—	—	8,480	6,160	10,500	7,200	6,440	6,950	6,390	5,180	4,620
Antimony	7440-36-0	—	—	—	—	—	3 U	2.84 U	2.9 U	2.96 U	2.82 U	2.94 U	2.92 U	2.85 U	2.81 U
Arsenic	7440-38-2	13	16	16	16	16	9.96	3.54	6.19	3.26	4.77	9.44	4.28	3.82	1.96
Barium	7440-39-3	350	350	400	400	10,000	2,560	85.7	829	381	773	1,130	427	542	532
Beryllium	7440-41-7	7.2	14	72	590	2,700	0.06 U	0.057 U	0.058 U	0.059 U	0.056 U	0.059 U	0.058 U	0.057 U	0.056 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	1.61	0.345	0.697	0.46	0.929	1.51	0.562	0.595	0.476
Calcium	7440-70-2	—	—	—	—	—	59,800	5,350	34,700	42,900	42,500	46,500	13,100	19,600	10,300
Chromium, Total	7440-47-3	30	36	180	1,500	6,800	16.8	21.5	18.8	15.8	16.7	17.3	15.9	14.2	11.9
Chromium, Hexavalent	18540-29-9	1	22	110	400	800	0.6 U	0.568 U	0.581 U	0.592 U	0.565 U	0.587 U	0.583 U	0.569 U	0.562 U
Cobalt	7440-48-4	—	30	—	—	—	6.66	8.89	9.57	6.64	5.8	7.37	6.95	6.08	6.02
Copper	7440-50-8	50	270	270	270	10,000	48	37.7	20.7	17.8	61.5	44.5	20	38.1	
Iron	7439-89-6	—	2,000	—	—	—	11,500	29,700	17,800	12,100	13,900	19,600	12,800	10,200	10,200
Lead	7439-92-1	63	400	400	1,000	3,900	795	88.2	306	211	449	687	177	162	114
Magnesium	7439-95-4	—	—	—	—	—	4,590	2,590	3,500	3,030	4,480	3,640	3,250	4,500	3,000
Manganese	7439-96-5	1,600	2,000	2,000	10,000	10,000	275	397	282	299	250	411	264	290	317
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.66	0.204	0.342	0.466	0.531	1.01	0.565	0.186	0.185
Nickel	7440-02-0	30	140	310	310	10,000	20.3	33.4	22.3	22.7	17.3	29.6	25.7	30.4	26
Potassium	7440-09-7	—	—	—	—	—	1,500 B	1,190 B	3,350 B	1,690 B	1,060 B	1,160 B	1,300 B	1,140 B	1,010 B
Selenium	7782-49-2	3.9	36	180	1,500	6,800	3 U	2.84 U	2.9 U	2.96 U	2.82 U	2.94 U	2.92 U	2.85 U	2.81 U
Silver	7440-22-4	2	36	180	1,500	6,800	0.6 U	0.568 U	0.581 U	0.592 U	0.565 U	0.587 U	0.583 U	0.569 U	0.562 U
Sodium	7440-23-5	—	—	—	—	—	669 B	205 B	826 B	603 B	576 B	547 B	270 B	308 B	215 B
Thallium	7440-28-0	—	—	—	—	—	3 U	2.84 U	2.9 U	2.96 U	2.82 U	2.94 U	2.92 U	2.85 U	2.81 U
Vanadium	7440-62-2	—	100	—	—	—	29.1	31.1	32.9	20.3	25.6	23.8	19.2	16.1	13.2
Zinc	7440-66-6	109	2,200	10,000	10,000	10,000	1,020	97.4	378	544	640	1,120	361	367	326
General Chemistry															
Cyanide, total	57-12-5	27	27	27	27	10,000	0.678	0.568 U	0.581 U	0.592 U	0.565 U	0.787	0.583 U	0.569 U	0.562 U
% Solids	solids	—	—	—	—	—	83.3	88	86.1	84.5	88.5	85.2	85.7	87.9	88.9

Notes:
 Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) ft bgs - feet below ground surface
 U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
 J: The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
 D: Compound analyzed at a secondary dilution factor.
 B: analyte found in the analysis batch blank
 *: Analytical results for these compounds are reported by the laboratory as both VOCs and SVOCs. NYSDEC only provides SCOs for these compounds as VOCs; therefore, the SVOC ana Total Chromium is compared to the Trivalent Chromium SCOs for screening purposes.
Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
GO Broome Development
Broome Street
New York, New York

Sample ID: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LMW-2 19A1289-09 1/30/2019 ug/L	Q	LMW-4 19A1289-08 1/30/2019 ug/L	Q	LMW-5 19A1289-06 1/30/2019 ug/L	Q	DUP-1 (LMW-5) 19A1289-07 1/30/2019 ug/L	Q	LMW-6 19A1289-10 1/30/2019 ug/L	Q
Volatile Organic Compounds (VOCs)												
1,1,1-Trichloroethane	71-55-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-Dichloroethane	75-34-3	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1-Dichloroethene	75-35-4	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,1-Trichloroethane	71-55-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-Trichloroethane	79-00-5	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,1,2-Tetrachloroethane	630-20-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichlorobenzene	95-50-1	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethane	107-06-2	0.6	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethene (cis)	156-59-2	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethene (trans)	156-60-5	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloropropane	78-87-5	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloropropene (cis)	10061-01-5	0.4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3-Dichlorobenzene	541-73-1	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-Trichlorobenzene	87-61-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,2-Trifluoroethane (113 Freon)	76-13-1	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-Trichloropropane	96-18-4	0.04	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-Trichlorobenzene	120-82-1	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-Trimethylbenzene	95-63-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3,5-Trimethylbenzene	108-67-8	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3-Dichloropropene (trans)	10061-02-6	0.4	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,3-Dichlorobenzene	541-73-1	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-Dichlorobenzene	106-46-7	3	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,4-Dioxane	123-91-1	—	40	U	40	U	40	U	40	U	40	U
2-Butanone	78-93-3	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Acetone	67-64-1	50	1	U	1	U	1	U	1	U	1.02	J
Acrolein	107-02-8	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Acrylonitrile	107-13-1	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Benzene	71-43-2	1	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	74-97-5	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromodichloromethane	75-27-4	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromoform	75-25-2	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Bromomethane	74-83-9	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
n-Butylbenzene	104-51-8	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Carbon Disulfide	75-15-0	60	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Carbon tetrachloride	56-23-5	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Chlorobenzene	108-90-7	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Chloroethane	75-00-3	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Chloroform	67-66-3	7	0.42	J	0.2	U	0.2	U	0.2	U	0.2	U
Cyclohexane	110-82-7	—	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Dibromochloromethane	124-48-1	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Dibromomethane	74-95-3	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Dichlorodifluoromethane	75-71-8	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Ethylbenzene	100-41-4	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Ethylene Dibromide	106-93-4	0.0006	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-Hexanone	591-78-6	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Isopropyl Benzene	98-82-8	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
p-Isopropyltoluene	99-87-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Methyl acetate	79-20-9	—	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Methyl ethyl ketone (MEK / 2-butanone)	78-93-3	50	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Methyl tert-butyl ether	1634-04-4	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Methylene chloride	75-09-2	5	1	U	1	U	1	U	1	U	1	U
Methylcyclohexane	108-87-2	—	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
4-Methyl-2-Pentanone	108-10-1	—	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Propylbenzene-n	103-65-1	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Sec-Butylbenzene	135-98-8	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Styrene	100-42-5	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Tert Butyl Alcohol (TBA)	75-65-0	—	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tert-Butylbenzene	98-06-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Tetrachloroethane	127-18-4	5	0.4	J	0.55	U	0.59	U	0.45	J	0.2	U
Toluene	108-88-3	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethane	79-01-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Trichlorofluoromethane (Freon 11)	75-69-4	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Vinyl Chloride	75-01-4	2	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
1,2-Xylene (o-Xylene)	95-47-6	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
m&p-Xylene	179601-23-1	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylene (mixed)	1330-20-7	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
GO Broome Development
Broome Street
New York, New York

Sample ID: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LMW-2 19A1289-09 1/30/2019		LMW-4 19A1289-08 1/30/2019		LMW-5 19A1289-06 1/30/2019		DUP-1 (LMW-5) 19A1289-07 1/30/2019		LMW-6 19A1289-10 1/30/2019	
			ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q
Semi-Volatile Organic Compounds (SVOCs)												
1,1'-Biphenyl	92-52-4	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2-Chloronaphthalene	91-58-7	10	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2-Chlorophenol	95-57-8	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2-Methylnaphthalene	91-57-6	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2-Nitroaniline	88-74-4	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2-Nitrophenol	88-75-5	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2,4-Dichlorophenol	120-83-2	1	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2,4-Dimethylphenol	105-67-9	1	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2,4-Dinitrophenol	51-28-5	1	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2,4-Dinitrotoluene	121-14-2	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
2,6-Dinitrotoluene	606-20-2	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
3-Nitroaniline	99-09-2	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
3,3'-Dichlorobenzidine	91-94-1	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
3- & 4-Methylphenols	65794-96-9	1	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
4-Nitroaniline	100-01-6	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
4-Nitrophenol	100-02-7	1	5.56	U	5.41	U	6.06	U	5.71	U	6.25	U
4,6-Dinitro-2-methylphenol	534-52-1	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Acenaphthene	83-32-9	20	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Acenaphthylene	208-96-8	—	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Atrazine	1912-24-9	7.5	0.556	U	0.541	U	0.606	U	0.571	U	0.625	U
Anthracene	120-12-7	50	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Benzidine	92-87-5	5	5.56	U	5.41	U	6.06	U	5.71	U	6.25	U
Benzo(a)anthracene	56-55-3	0.002	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Benzo(a)pyrene	50-32-8	ND	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Benzo(b)fluoranthene	205-99-2	0.002	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Benzo(g,h,i)perylene	191-24-2	—	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Benzo(k)fluoranthene	207-08-9	0.002	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Benzoic acid	65-85-0	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Benzyl alcohol	100-51-6	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Bis(2-chloroethoxy)methane	111-91-1	5	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
bis(2-Chloroethyl)ether	111-44-4	1	1.11	U	1.08	U	1.21	U	1.14	U	1.25	U
bis(2-Ethylhexyl)phthalate	117-81-7	5	0.556	U	0.541	U	0.606	U	0.571	U	0.625	U
4-Bromophenyl phenyl ether	101-55-3	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Butyl benzyl phthalate	85-68-7	50	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Carbazole	86-74-8	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
4-Chlorophenyl phenyl ether	7005-72-3	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Chrysene	218-01-9	0.002	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Dibenzo(a,h)anthracene	53-70-3	—	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Dibenzofuran	132-64-9	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Diethyl phthalate	84-66-2	50	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Dimethyl phthalate	131-11-3	50	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Di-n-butyl phthalate	84-74-2	50	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Di-n-octyl phthalate	117-84-0	50	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Fluoranthene	206-44-0	50	0.0667	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Fluorene	86-73-7	50	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Hexachlorobenzene	118-74-1	0.04	0.0222	U	0.0216	U	0.0242	U	0.0229	U	0.025	U
Hexachlorobutadiene	87-68-3	0.5	0.556	U	0.541	U	0.606	U	0.571	U	0.625	U
Hexachlorocyclopentadiene	77-47-4	5	5.56	U	5.41	U	6.06	U	5.71	U	6.25	U
Hexachloroethane	67-72-1	5	0.556	U	0.541	U	0.606	U	0.571	U	0.625	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Isophorone	78-59-1	50	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Naphthalene	91-20-3	10	0.0556	U	0.0649	U	0.0606	U	0.0571	U	0.0625	U
Nitrobenzene	98-95-3	0.4	0.278	U	0.27	U	0.303	U	0.286	U	0.312	U
N-Nitrosodimethylamine	62-75-9	—	0.556	U	0.541	U	0.606	U	0.571	U	0.625	U
N-nitroso-di-n-propylamine	621-64-7	—	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
n-Nitrosodiphenylamine	86-30-6	50	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
o-Cresol(s) (2-Methylphenol)	95-48-7	1	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Pentachlorophenol	87-86-5	1	0.278	U	0.27	U	0.303	U	0.286	U	0.312	U
Phenanthrene	85-01-8	50	0.111	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Phenol (total)	108-95-2	1	2.78	U	2.7	U	3.03	U	2.86	U	3.12	U
Pyrene	129-00-0	50	0.0556	U	0.0541	U	0.0606	U	0.0571	U	0.0625	U
Pesticides												
4,4'-DDE	72-55-9	0.2	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
4,4'-DDT	50-29-3	0.2	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
4,4'-DDD	72-54-8	0.3	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Aldrin	309-00-2	ND	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Alpha-BHC	319-84-6	0.01	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Beta-BHC	319-85-7	0.04	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Chlordane	57-74-9	0.05	0.0242	U	0.0242	U	0.0216	U	0.025	U	0.0222	U
Delta-BHC	319-86-8	0.04	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Dieldrin	60-57-1	0.004	0.00328	U	0.00242	U	0.00216	U	0.00285	U	0.00222	U
Endosulfan I	959-98-8	—	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Endosulfan II	33213-65-9	—	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Endosulfan Sulfate	1031-07-8	—	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Endrin	72-20-8	ND	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Endrin aldehyde	7421-93-4	5	0.0121	U	0.0121	U	0.0108	U	0.0125	U	0.0111	U
Endrin ketone	53494-70-5	5	0.0121	U	0.0121	U	0.0108	U	0.0125	U	0.0111	U
Heptachlor	76-44-8	0.04	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Heptachlor epoxide	1024-57-3	0.03	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Methoxychlor	72-43-5	35	0.00485	U	0.00485	U	0.00432	U	0.005	U	0.00444	U
Toxaphene	8001-35-2	0.06	0.121	U	0.121	U	0.108	U	0.125	U	0.111	U

TABLE 3
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GO Broome Development
Broome Street
 New York, New York

Sample ID: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LMW-2 19A1289-09 1/30/2019 ug/L		LMW-4 19A1289-08 1/30/2019 ug/L		LMW-5 19A1289-06 1/30/2019 ug/L		DUP-1 (LMW-5) 19A1289-07 1/30/2019 ug/L		LMW-6 19A1289-10 1/30/2019 ug/L	
			Q	Q	Q	Q	Q	Q				
Polychlorinated biphenyls (PCBs)												
Pcb-1016 (Aroclor 1016)	12674-11-2	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Pcb-1221 (Aroclor 1221)	11104-28-2	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Pcb-1232 (Aroclor 1232)	11141-16-5	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Pcb-1242 (Aroclor 1242)	53469-21-9	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Pcb-1248 (Aroclor 1248)	12672-29-6	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Pcb-1254 (Aroclor 1254)	11097-69-1	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Pcb-1260 (Aroclor 1260)	11096-82-5	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Total PCBs	1336-36-3	0.09	0.0606	U	0.0606	U	0.0541	U	0.0625	U	0.0556	U
Metals												
Aluminum	7429-90-5	—	699		121		70		125		604	
Antimony	7440-36-0	3	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
Arsenic	7440-38-2	25	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
Barium	7440-39-3	1,000	87.9		41.8		27.8		27.8		187	
Beryllium	7440-41-7	3	0.333	U	0.333	U	0.333	U	0.333	U	0.333	U
Cadmium	7440-43-9	5	0.556	U	0.556	U	0.556	U	0.556	U	0.556	U
Calcium	7440-70-2	—	118,000	B	121,000	B	286,000	B	282,000	B	182,000	B
Chromium	7440-47-3	50	5.56	U	9.23		7.83		7.25		5.56	U
Chromium, Hexavalent	18540-29-9	50	10	U	10	U	10	U	10	U	10	U
Cobalt	7440-48-4	—	4.44	U	4.44	U	4.44	U	4.44	U	4.44	U
Copper	7440-50-8	200	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U
Iron	7439-89-6	300	927		278	U	278	U	278	U	775	
Iron and Manganese	7493-89-6/7439-96-5	500	1,784		163		285		284		5,825	
Lead	7439-92-1	25	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U
Magnesium	7439-95-4	35,000	18,800		84,400		171,000		165,000		23,100	
Manganese	7439-96-5	300	857		163		285		284		5,050	
Mercury (elemental)	7439-97-6	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	7440-02-0	100	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U
Potassium	7440-09-7	—	10,500		18,500		20,000		19,500		12,900	
Selenium	7782-49-2	10	11.9		12.5		25.6		21.6		11.2	
Silver	7440-22-4	50	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U
Sodium	7440-23-5	20,000	28,000		47,600		103,000		102,000		248,000	
Thallium	7440-28-0	0.5	<i>1.11</i>	U	<i>1.11</i>	U	<i>1.11</i>	U	<i>1.11</i>	U	<i>1.11</i>	U
Vanadium	7440-62-2	—	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U
Zinc	7440-66-6	2,000	27.8	U	27.8	U	27.8	U	27.8	U	27.8	U
Dissolved Metals												
Aluminum	7429-90-5	—	55.6	U	55.6	U	55.6	U	55.6	U	55.6	U
Antimony	7440-36-0	3	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
Arsenic	7440-38-2	25	1.11	U	1.11	U	1.11	U	1.11	U	1.11	U
Barium	7440-39-3	1,000	70.2		41.4		27.8		27.8		176	
Beryllium	7440-41-7	3	0.333	U	0.333	U	0.333	U	0.333	U	0.333	U
Cadmium	7440-43-9	5	0.556	U	0.556	U	0.556	U	0.556	U	0.556	U
Calcium	7440-70-2	—	113,000		124,000		281,000		284,000		177,000	
Chromium	7440-47-3	50	5.56	U	8.49		6.88		7.67		5.56	U
Cobalt	7440-48-4	—	4.44	U	4.44	U	4.44	U	4.44	U	4.44	U
Copper	7440-50-8	200	22.2	U	22.2	U	22.2	U	22.2	U	22.2	U
Iron	7439-89-6	300	278	U	278	U	278	U	278	U	278	U
Iron and Manganese	7493-89-6/7439-96-5	500	838		223		274		279		5,010	
Lead	7439-92-1	25	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U
Magnesium	7439-95-4	35,000	19,500		88,800		169,000		171,000		22,600	
Manganese	7439-96-5	300	838		223		274		279		5,010	
Mercury (elemental)	7439-97-6	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	7440-02-0	100	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U
Potassium	7440-09-7	—	10,000		17,800		19,100		19,300		12,200	
Selenium	7782-49-2	10	8.36		12.2		23.1		22.6		9	
Silver	7440-22-4	50	5.56	U	5.56	U	5.56	U	5.56	U	5.56	U
Sodium	7440-23-5	20,000	24,700		43,100		91,800		92,300		223,000	
Thallium	7440-28-0	0.5	<i>1.11</i>	U	<i>1.11</i>	U	<i>1.11</i>	U	<i>1.11</i>	U	<i>1.11</i>	U
Vanadium	7440-62-2	—	11.1	U	11.1	U	11.1	U	11.1	U	11.1	U
Zinc	7440-66-6	2,000	27.8	U	27.8	U	27.8	U	27.8	U	27.8	U

NOTES:

1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through February 15, 2016). In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request from the NYSDEC.

<http://www.dec.ny.gov/chemical/23853.html>

<http://www.dec.ny.gov/regulations/2652.html>

ug/L: micrograms per liter

Exceedances of regulatory criteria are highlighted and **bold**.

Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.

— : Indicates that no regulatory limit has been established for this analyte

NA: Compound not analyzed

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

TABLE 4
SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS
GO Broome Development
Broome Street
New York, New York

Sample ID Lab Sample ID Sample Date Sample Depth (ft bgs) Units	CAS Number	LSV-2 19A1323-03 1/31/2019 20' ug/m3		LSV-4 19A1323-05 1/31/2019 20' ug/m3		LSV-5 19A1323-06 1/31/2019 20' ug/m3		LSV-6 19A1323-01 1/31/2019 20' ug/m3	
		Q		Q		Q		Q	
Volatile Organic Compounds (VOCs)									
1,1-Dichloroethane	75-34-3	1.2	U	0.51	U	0.56	U	0.53	U
1,1-Dichloroethylene	75-35-4	0.29	U	0.13	U	0.14	U	0.13	U
1,1,1,2-Tetrachloroethane	630-20-6	2	U	0.87	U	0.94	U	0.9	U
1,1,1-Trichloroethane	71-55-6	1.6	U	0.69	U	0.75	U	0.71	U
1,1,2,2-Tetrachloroethane	79-34-5	2	U	0.87	U	0.94	U	0.9	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	2.2	U	0.97	U	1.1	U	1	U
1,1,2-Trichloroethane	79-00-5	1.6	U	0.69	U	0.75	U	0.71	U
1,2,4-Trichlorobenzene	120-82-1	2.1	U	0.94	U	1	U	0.97	U
1,2,4-Trimethylbenzene	95-63-6	3.1	D	1.2	D	2.1	D	0.64	U
1,2-Dibromoethane	106-93-4	2.2	U	0.97	U	1.1	U	1	U
1,2-Dichlorobenzene	95-50-1	1.7	U	0.76	U	0.82	U	0.79	U
1,2-Dichloroethane	107-06-2	1.2	U	0.51	U	0.56	U	0.53	U
1,2-Dichloropropane	78-87-5	1.3	U	0.59	U	0.63	U	0.61	U
1,2-Dichlorotetrafluoroethane	76-14-2	2	U	0.89	U	0.96	U	0.92	U
1,3,5-Trimethylbenzene	108-67-8	1.6	D	0.62	U	0.74	D	0.64	U
1,3-Butadiene	106-99-0	1.9	U	0.84	U	0.91	U	0.87	U
1,3-Dichlorobenzene	541-73-1	1.7	U	0.76	U	0.82	U	0.79	U
1,3-Dichloropropane	142-28-9	1.3	U	0.59	U	0.63	U	0.61	U
1,4-Dichlorobenzene	106-46-7	1.7	U	0.76	U	0.82	U	0.79	U
1,4-Dioxane	123-91-1	2.1	U	0.91	U	0.99	U	0.94	U
2-Butanone	78-93-3	230	D	100	D	78	D	13	D
2-Hexanone	591-78-6	33	D	15	D	14	D	1.4	D
4-Methyl-2-pentanone	108-10-1	1.2	U	0.73	D	0.56	U	0.54	U
Acetone	67-64-1	23	D	15	D	12	D	4.6	D
Acrylonitrile	107-13-1	0.63	U	0.28	U	0.3	U	0.28	U
Allyl Chloride (3-Chloropropene)	107-05-1	4.5	U	2	U	2.1	U	2.1	U
Benzene	71-43-2	1.4	D	0.93	D	0.44	U	0.67	D
Benzyl chloride	100-44-7	1.5	U	0.66	U	0.71	U	0.68	U
Bromodichloromethane	75-27-4	1.9	U	0.85	U	0.92	U	0.88	U
Bromoform	75-25-2	3	U	1.3	U	1.4	U	1.4	U
Bromomethane	74-83-9	1.1	U	0.49	U	0.53	U	0.51	U
Carbon disulfide	75-15-0	1.9	D	0.39	U	0.43	U	0.41	U
Carbon tetrachloride	56-23-5	0.45	U	0.4	D	0.22	U	0.41	D
Chlorobenzene	108-90-7	1.3	U	0.58	U	0.63	U	0.6	U
Chloroethane	75-00-3	0.76	U	0.33	U	0.36	U	0.35	U
Chloroform	67-66-3	1.4	D	6.7	D	1.1	D	0.64	U
Chloromethane	74-87-3	0.6	U	0.55	D	0.28	U	1	D
cis-1,2-Dichloroethylene	156-59-2	0.29	U	0.13	U	0.14	U	0.13	U
cis-1,3-Dichloropropylene	10061-01-5	1.3	U	0.58	U	0.62	U	0.59	U
Cyclohexane	110-82-7	0.99	U	0.44	U	0.47	U	0.45	U
Dibromochloromethane	124-48-1	2.5	U	1.1	U	1.2	U	1.1	U
Dichlorodifluoromethane	75-71-8	2	D	1.4	D	1.9	D	1.8	D
Ethyl acetate	141-78-6	2.1	U	1.2	D	0.99	U	0.94	U
Ethyl Benzene	100-41-4	17	D	5.6	D	7.4	D	1.3	D
Hexachlorobutadiene	87-68-3	3.1	U	1.4	U	1.5	U	1.4	U
Isopropanol	67-63-0	1.4	U	2.9	D	0.67	U	0.68	D
Methyl Methacrylate	80-62-6	1.2	U	0.52	U	0.56	U	0.54	U
Methyl tert-butyl ether (MTBE)	1634-04-4	1	U	0.46	U	0.49	U	0.47	U
Methylene chloride	75-09-2	2	U	2.5	D	0.95	U	0.91	U
n-Heptane	142-82-5	3.5	D	1.2	D	2.7	D	0.54	U
n-Hexane	110-54-3	4.1	D	2.3	D	2.7	D	0.46	U
o-Xylene	95-47-6	17	D	5.1	D	7.3	D	1.3	D
p- & m- Xylenes	179601-23-1	65	D	21	D	31	D	5.3	D
p-Ethyltoluene	622-96-8	4.8	D	1.5	D	2.8	D	0.64	U
Propylene	115-07-1	8.6	D	6.9	D	5.9	D	0.88	D
Styrene	100-42-5	1.2	U	0.54	U	0.58	U	0.56	U
Tetrachloroethylene	127-18-4	18	D	19	D	37	D	0.22	U
Tetrahydrofuran	109-99-9	1.7	U	0.75	U	1.2	D	0.77	U
Toluene	108-88-3	8.9	D	8.1	D	5	D	1.4	D
trans-1,2-Dichloroethylene	156-60-5	1.1	U	0.5	U	0.54	U	0.52	U
trans-1,3-Dichloropropylene	10061-02-6	1.3	U	0.58	U	0.62	U	0.59	U
Trichloroethylene	79-01-6	0.46	D	0.17	U	0.18	U	0.18	U
Trichlorofluoromethane (Freon 11)	75-69-4	1.6	U	0.71	U	1.2	D	1.3	D
Vinyl acetate	108-05-4	1	U	0.45	U	0.48	U	0.46	U
Vinyl Chloride	75-01-4	0.18	U	0.081	U	0.088	U	0.084	U

Notes:

- 1: NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes (Upper Fence criteria)
- 2: USEPA 2001: Building Assessment and Survey Evaluation (BASE) Database using Summa Canister Method, 90th Percentile Criteria ug/m3: microgram per cubic meter

Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.

Exceedances of regulatory criteria are highlighted and **bold**.

— : No criteria identified

NA - Compound not analyzed

Q is the Qualifier Column with definitions as follows:

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

U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL

D: result is from an analysis that required a dilution

TABLE 4
SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS
GO Broome Development
Broome Street
 New York, New York

Sample ID Lab Sample ID Sample Date Sample Depth (ft bgs) Units	CAS Number	LSV-7 19A1323-02 1/31/2019 20' ug/m3		LSV-8 19A1323-07 1/31/2019 20' ug/m3		LSV-9 19A1323-04 1/31/2019 20' ug/m3		DUP-1 (LSV-9) 19A1323-08 1/31/2019 20' ug/m3	
		Q		Q		Q		Q	
Volatile Organic Compounds (VOCs)									
1,1-Dichloroethane	75-34-3	0.51	U	0.52	U	0.52	U	0.57	U
1,1-Dichloroethylene	75-35-4	0.13	U	0.13	U	0.13	U	0.14	U
1,1,1,2-Tetrachloroethane	630-20-6	0.87	U	0.89	U	0.89	U	0.97	U
1,1,1-Trichloroethane	71-55-6	0.69	U	0.71	U	0.71	U	0.77	U
1,1,2,2-Tetrachloroethane	79-34-5	0.87	U	0.89	U	0.89	U	0.97	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	0.97	U	0.99	U	0.99	U	1.1	U
1,1,2-Trichloroethane	79-00-5	0.69	U	0.71	U	0.71	U	0.77	U
1,2,4-Trichlorobenzene	120-82-1	0.94	U	0.96	U	0.96	U	1.1	U
1,2,4-Trimethylbenzene	95-63-6	4.1	D	2.2	D	1.7	D	2	D
1,2-Dibromoethane	106-93-4	0.98	U	1	U	1	U	1.1	U
1,2-Dichlorobenzene	95-50-1	0.76	U	0.78	U	0.78	U	0.85	U
1,2-Dichloroethane	107-06-2	0.51	U	0.52	U	0.52	U	0.57	U
1,2-Dichloropropane	78-87-5	0.59	U	0.6	U	0.6	U	0.66	U
1,2-Dichlorotetrafluoroethane	76-14-2	0.89	U	0.91	U	0.91	U	0.99	U
1,3,5-Trimethylbenzene	108-67-8	1.4	D	0.7	D	0.64	U	0.77	D
1,3-Butadiene	106-99-0	0.84	U	0.86	U	0.86	U	0.94	U
1,3-Dichlorobenzene	541-73-1	0.76	U	0.78	U	0.78	U	0.85	U
1,3-Dichloropropane	142-28-9	0.59	U	0.6	U	0.6	U	0.66	U
1,4-Dichlorobenzene	106-46-7	0.76	U	0.78	U	0.78	U	0.85	U
1,4-Dioxane	123-91-1	0.92	U	0.93	U	0.93	U	1	U
2-Butanone	78-93-3	120	D	59	D	54	D	55	D
2-Hexanone	591-78-6	30	D	11	D	12	D	9.2	D
4-Methyl-2-pentanone	108-10-1	0.52	U	0.53	U	1.1	D	0.58	U
Acetone	67-64-1	10	D	6.6	D	9.1	D	9.3	D
Acrylonitrile	107-13-1	0.28	U	0.28	U	0.28	U	0.31	U
Allyl Chloride (3-Chloropropene)	107-05-1	2	U	2	U	2	U	2.2	U
Benzene	71-43-2	0.93	D	0.41	D	1.2	D	1.2	D
Benzyl chloride	100-44-7	0.66	U	0.67	U	0.67	U	0.74	U
Bromodichloromethane	75-27-4	0.85	U	0.87	U	0.87	U	0.95	U
Bromoforn	75-25-2	1.3	U	1.3	U	1.3	U	1.5	U
Bromomethane	74-83-9	0.49	U	0.5	U	0.5	U	0.55	U
Carbon disulfide	75-15-0	0.4	U	0.4	U	6.1	D	6.4	D
Carbon tetrachloride	56-23-5	0.2	U	0.2	U	0.2	U	0.22	U
Chlorobenzene	108-90-7	0.59	U	0.6	U	0.6	U	0.65	U
Chloroethane	75-00-3	0.34	U	0.34	U	0.34	U	0.37	U
Chloroform	67-66-3	0.62	U	0.95	D	0.63	D	0.69	U
Chloromethane	74-87-3	0.26	U	0.27	U	0.27	U	0.29	U
cis-1,2-Dichloroethylene	156-59-2	0.13	U	0.13	U	0.13	U	0.14	U
cis-1,3-Dichloropropylene	10061-01-5	0.58	U	0.59	U	0.59	U	0.64	U
Cyclohexane	110-82-7	0.53	D	0.45	U	0.45	U	0.49	U
Dibromochloromethane	124-48-1	1.1	U	1.1	U	1.1	U	1.2	U
Dichlorodifluoromethane	75-71-8	1.7	D	4.6	D	1.5	D	1.7	D
Ethyl acetate	141-78-6	0.92	U	0.93	U	0.93	U	1	U
Ethyl Benzene	100-41-4	17	D	6.5	D	5	D	5.7	D
Hexachlorobutadiene	87-68-3	1.4	U	1.4	U	1.4	U	1.5	U
Isopropanol	67-63-0	0.63	U	0.64	U	0.64	U	0.7	U
Methyl Methacrylate	80-62-6	0.52	U	0.53	U	1.1	D	0.58	U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.46	U	0.47	U	0.47	U	0.51	U
Methylene chloride	75-09-2	0.88	D	0.9	U	1.7	D	0.99	U
n-Heptane	142-82-5	2.3	D	0.53	U	1.5	D	1.5	D
n-Hexane	110-54-3	4.7	D	0.82	D	1.2	D	1.2	D
o-Xylene	95-47-6	18	D	6.5	D	5.4	D	6.3	D
p- & m- Xylenes	179601-23-1	66	D	27	D	21	D	24	D
p-Ethyltoluene	622-96-8	5.6	D	2.7	D	1.8	D	2.4	D
Propylene	115-07-1	2.1	D	3.9	D	4.6	D	4.7	D
Styrene	100-42-5	0.54	U	0.55	U	0.55	U	0.6	U
Tetrachloroethylene	127-18-4	33	D	54	D	14	D	15	D
Tetrahydrofuran	109-99-9	1.1	D	0.88	D	0.77	U	0.84	U
Toluene	108-88-3	8.3	D	3.2	D	4.9	D	4.5	D
trans-1,2-Dichloroethylene	156-60-5	0.5	U	0.51	U	0.51	U	0.56	U
trans-1,3-Dichloropropylene	10061-02-6	0.58	U	0.59	U	0.59	U	0.64	U
Trichloroethylene	79-01-6	0.17	U	0.17	U	0.17	U	0.19	U
Trichlorofluoromethane (Freon 11)	75-69-4	1.7	D	1.2	D	1.4	D	1.4	D
Vinyl acetate	108-05-4	0.45	U	0.46	U	0.46	U	0.5	U
Vinyl Chloride	75-01-4	0.081	U	0.083	U	0.083	U	0.091	U

Notes:

1: NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel

2: USEPA 2001: Building Assessment and Survey Evaluation (BASE)
 ug/m3: microgram per cubic meter

Italicized results indicate the Reporting Limit (RL) is greater than or equal to the Reporting Limit (RL). Exceedances of regulatory criteria are highlighted and **bold**.

— : No criteria identified

NA - Compound not analyzed

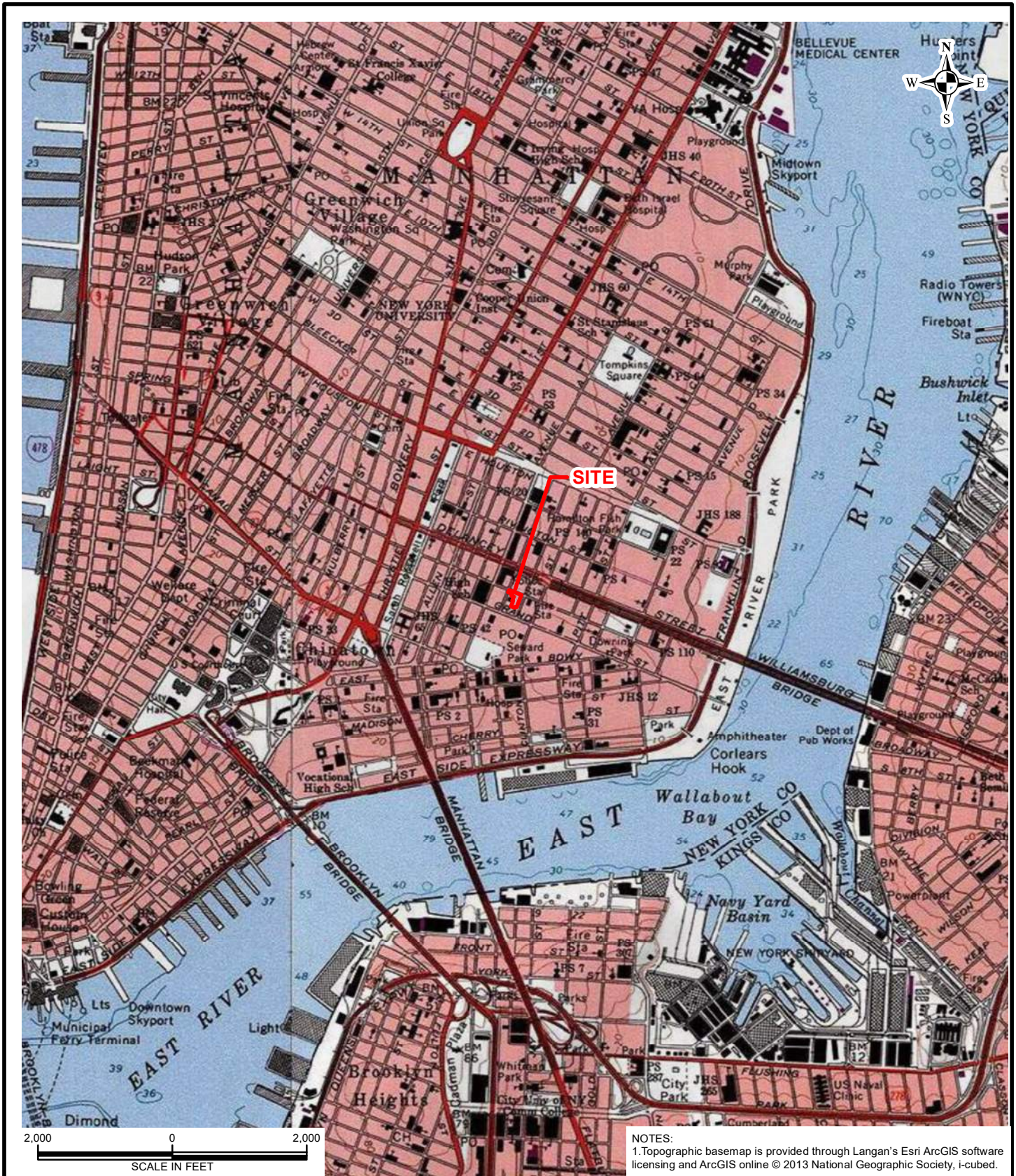
Q is the Qualifier Column with definitions as follows:

J: analyte detected at or above the MDL (method detection limit) but

U: The analyte was analyzed for, but was not detected at a level greater than the Reporting Limit (RL)

D: result is from an analysis that required a dilution

FIGURES



NOTES:
 1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online © 2013 National Geographic Society, i-cubed.

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 Langan International LLC
 Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

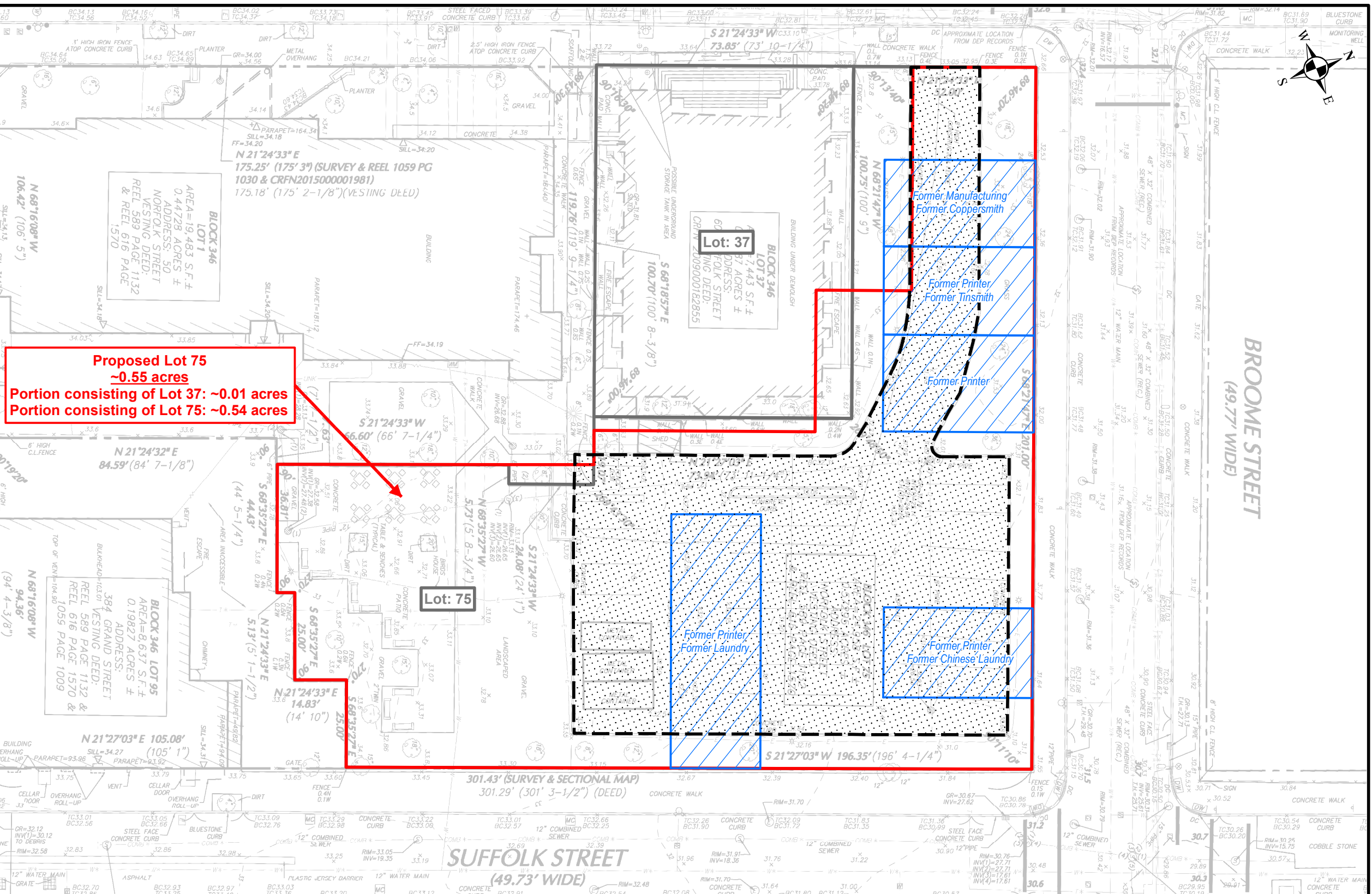
Project
**GO BROOME
 DEVELOPMENT**
 BLOCK No. 346, PROPOSED LOT 75
 MANHATTAN
 NEW YORK COUNTY NEW YORK

Drawing Title
**USGS SITE
 LOCATION MAP**

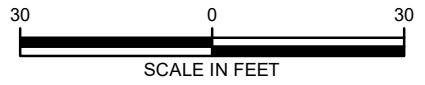
Project No. 100646801	Figure
Date 4/29/2019	1
Scale 1"=2,000'	
Drawn By JR	
Last Revised 4/29/2019	

Legend

- BCP Site Boundary
- Historical Site Use of Concern
- Asphalt Paved Parking Area
- Manhattan Tax Parcels



NOTES:
 1. Historical site operations shown based on the review of a Certified Sanborn Map Report dated 28 February 2017 and City Directory Abstract dated 6 March 2017 provided by Environmental Data Resources, Inc.



LANGAN

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 Architecture and Geology, D.P.C.
 Langan International LLC
 Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

**GO BROOME
 DEVELOPMENT**

BLOCK No. 346, PROPOSED LOT 75

MANHATTAN

NEW YORK COUNTY NEW YORK

Drawing Title

SITE PLAN

Project No.	100646801	Figure 2
Date	3/2/2018	
Scale	1" = 30'	
Drawn By	ATR	
Submission Date	5/8/2019	

Legend

- BCP Site Boundary
- Historical Site Use of Concern
- Asphalt Paved Parking Area
- Soil Boring Location
- Soil Boring/Monitoring Well/Soil Vapor Sample Location
- Soil Boring/Soil Vapor Sampling Location

Sample ID:	LMW-6
Laboratory Sample Number:	19A1289-10
Sampling Date:	1/30/2019
Units:	ug/L Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Iron	775
Iron and Manganese	5,825
Manganese	5,050
Selenium	11.2
Sodium	248,000
Dissolved Metals	
Iron and Manganese	5,010
Manganese	5,010
Sodium	223,000

Sample ID:	LMW-5	DUP-1 (LMW-5)
Laboratory Sample Number:	19A1289-06	19A1289-07
Sampling Date:	1/30/2019	1/30/2019
Units:	ug/L Q	ug/L Q
VOCs	No Exceedances	No Exceedances
SVOCs	No Exceedances	No Exceedances
Pesticides	No Exceedances	No Exceedances
PCBs	No Exceedances	No Exceedances
Metals		
Magnesium	171,000	165,000
Selenium	25.6	21.6
Sodium	103,000	102,000
Dissolved Metals		
Magnesium	169,000	171,000
Selenium	23.1	22.6
Sodium	91,800	92,300

Ground Water Quality Standards ¹	
Units:	ug/L
Metals	
Iron	300
Iron and Manganese	500
Magnesium	35,000
Manganese	300
Selenium	10
Sodium	20,000
Dissolved Metals	
Iron and Manganese	500
Magnesium	35,000
Manganese	300
Selenium	10
Sodium	20,000

NOTES:
 1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through February 15, 2016). In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request <http://www.dec.ny.gov/chemical/23853.html> <http://www.dec.ny.gov/regulations/2652.html>
 ug/L: micrograms per liter
 Exceedances of regulatory criteria are highlighted and bold.
 Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.
 --: Indicates that no regulatory limit has been established for this analyte
 NA: Compound not analyzed
 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

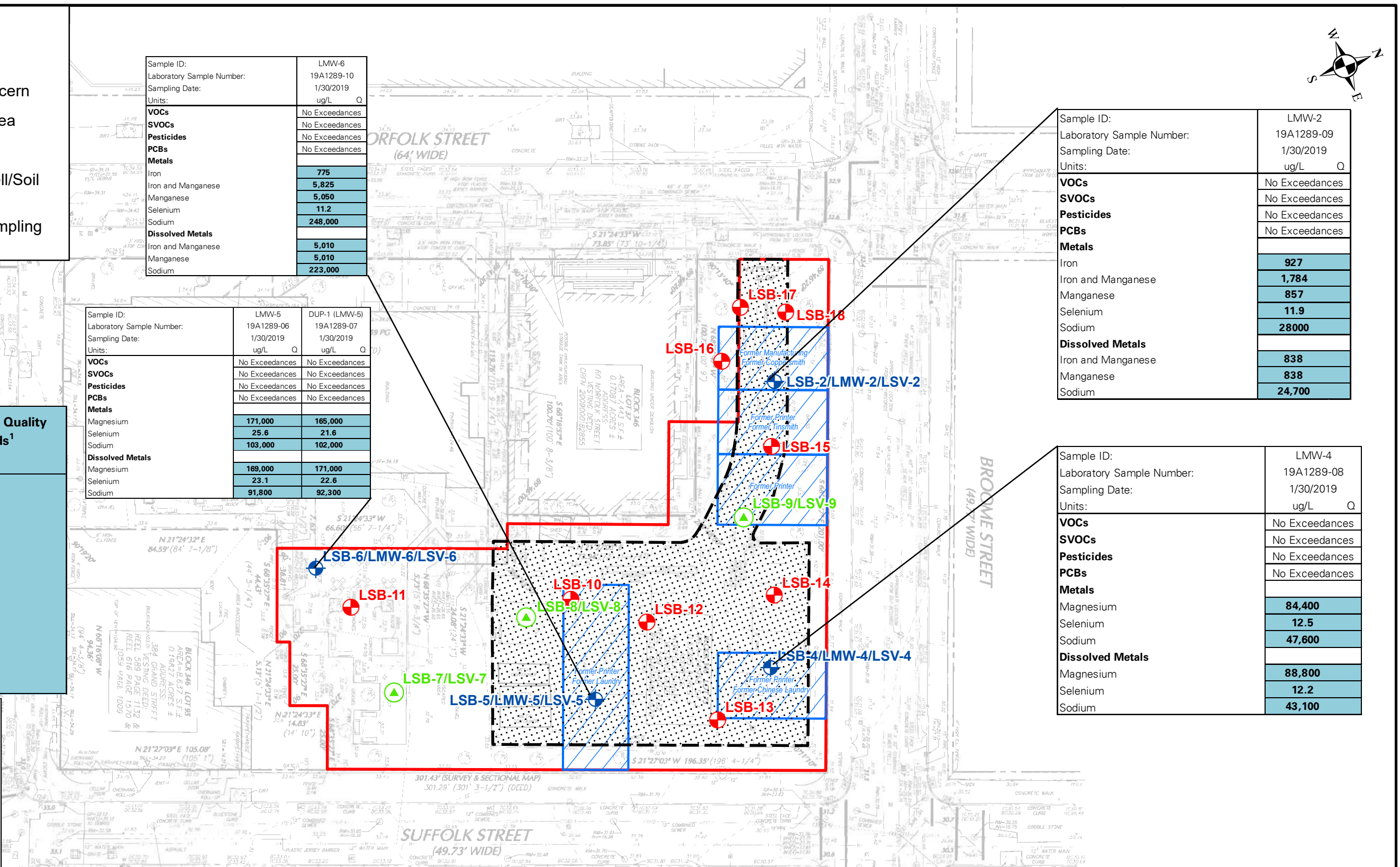


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 Collectively known as Langan
 NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
GO BROOME DEVELOPMENT
 BLOCK No. 346, PROPOSED LOT 75
 MANHATTAN
 NEW YORK COUNTY NEW YORK

Drawing Title
GROUNDWATER ANALYTICAL RESULTS MAP

Project No.	100646801	Figure 4
Date	2/26/2019	
Scale	1" = 40'	
Drawn By	IHB	



Sample ID:	LMW-2
Laboratory Sample Number:	19A1289-09
Sampling Date:	1/30/2019
Units:	ug/L Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Iron	927
Iron and Manganese	1,784
Manganese	857
Selenium	11.9
Sodium	28000
Dissolved Metals	
Iron and Manganese	838
Manganese	838
Sodium	24,700

Sample ID:	LMW-4
Laboratory Sample Number:	19A1289-08
Sampling Date:	1/30/2019
Units:	ug/L Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Magnesium	84,400
Selenium	12.5
Sodium	47,600
Dissolved Metals	
Magnesium	88,800
Selenium	12.2
Sodium	43,100

Legend

- BCP Site Boundary
- Historical Site Use of Concern
- Asphalt Paved Parking Area
- ⊕ Soil Boring Location
- ⊕ Soil Boring/Monitoring Well/Soil Vapor Sample Location
- ⊕ Soil Boring/Soil Vapor Sampling Location

Sample ID	LSV-6
Lab Sample ID	19A1323-01
Sample Date	1/31/2019
Sample Depth (ft bgs)	20'
Units	ug/m3 Q
Volatile Organic Compounds (VOCs)	
Benzene	0.67 D
Carbon tetrachloride	0.41 D
Ethyl Benzene	1.3 D
Methylene chloride	0.91 U
o-Xylene	1.3 D
p- & m- Xylenes	5.3 D
Tetrachloroethylene	0.22 U
Toluene	1.4 D
Trichloroethylene	0.18 U

Sample ID	LSV-8
Lab Sample ID	19A1323-07
Sample Date	1/31/2019
Sample Depth (ft bgs)	20'
Units	ug/m3 Q
Volatile Organic Compounds (VOCs)	
Benzene	0.41 D
Carbon tetrachloride	0.2 U
Ethyl Benzene	6.5 D
Methylene chloride	0.9 U
o-Xylene	6.5 D
p- & m- Xylenes	27 D
Tetrachloroethylene	54 D
Toluene	3.2 D
Trichloroethylene	0.17 U

Sample ID	LSV-7
Lab Sample ID	19A1323-02
Sample Date	1/31/2019
Sample Depth (ft bgs)	20'
Units	ug/m3 Q
Volatile Organic Compounds (VOCs)	
Benzene	0.93 D
Carbon tetrachloride	0.2 U
Ethyl Benzene	17 D
Methylene chloride	0.88 D
o-Xylene	18 D
p- & m- Xylenes	66 D
Tetrachloroethylene	33 D
Toluene	8.3 D
Trichloroethylene	0.17 U

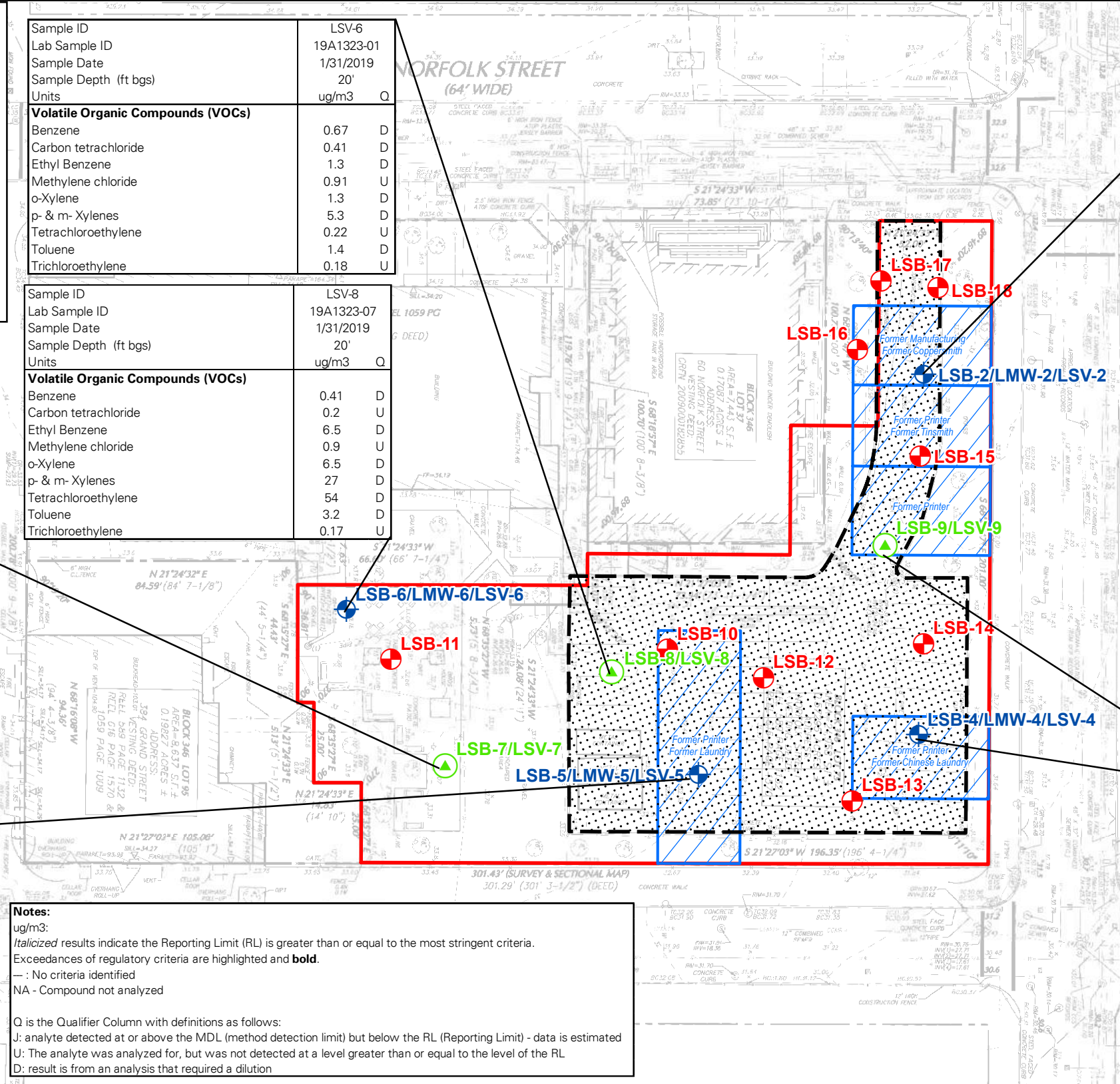
Sample ID	LSV-5
Lab Sample ID	19A1323-06
Sample Date	1/31/2019
Sample Depth (ft bgs)	20'
Units	ug/m3 Q
Volatile Organic Compounds (VOCs)	
Benzene	0.44 U
Carbon tetrachloride	0.22 U
Ethyl Benzene	7.4 D
Methylene chloride	0.95 U
o-Xylene	7.3 D
p- & m- Xylenes	31 D
Tetrachloroethylene	37 D
Toluene	5 D
Trichloroethylene	0.18 U

Notes:
 ug/m3:
Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.
 Exceedances of regulatory criteria are highlighted and **bold**.
 - : No criteria identified
 NA - Compound not analyzed
 Q is the Qualifier Column with definitions as follows:
 J: analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
 U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL
 D: result is from an analysis that required a dilution

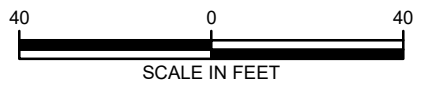
Sample ID	LSV-2
Lab Sample ID	19A1323-03
Sample Date	1/31/2019
Sample Depth (ft bgs)	20'
Units	ug/m3 Q
Volatile Organic Compounds (VOCs)	
Benzene	1.4 D
Carbon tetrachloride	0.45 U
Ethyl Benzene	17 D
Methylene chloride	2 U
o-Xylene	17 D
p- & m- Xylenes	65 D
Tetrachloroethylene	18 D
Toluene	8.9 D
Trichloroethylene	0.46 D

Sample ID	LSV-9	DUP-1 (LSV-9)
Lab Sample ID	19A1323-04	19A1323-08
Sample Date	1/31/2019	1/31/2019
Sample Depth (ft bgs)	20'	20'
Units	ug/m3 Q	ug/m3 Q
Volatile Organic Compounds (VOCs)		
Benzene	1.2 D	1.2 D
Carbon tetrachloride	0.2 U	0.22 U
Ethyl Benzene	5 D	5.7 D
Methylene chloride	1.7 D	0.99 U
o-Xylene	5.4 D	6.3 D
p- & m- Xylenes	21 D	24 D
Tetrachloroethylene	14 D	15 D
Toluene	4.9 D	4.5 D
Trichloroethylene	0.17 U	0.19 U

Sample ID	LSV-4
Lab Sample ID	19A1323-05
Sample Date	1/31/2019
Sample Depth (ft bgs)	20'
Units	ug/m3 Q
Volatile Organic Compounds (VOCs)	
Benzene	0.93 D
Carbon tetrachloride	0.4 D
Ethyl Benzene	5.6 D
Methylene chloride	2.5 D
o-Xylene	5.1 D
p- & m- Xylenes	21 D
Tetrachloroethylene	19 D
Toluene	8.1 D
Trichloroethylene	0.17 U



NOTES:
 1. Historical site operations shown based on the review of a Certified Sanborn Map Report dated 28 February 2017 and City Directory Abstract dated 6 March 2017 provided by Environmental Data Resources, Inc.



LANGAN
 300 Kimball Drive
 Parsippany, NJ 07054
 T: 973.560.4900 F: 973.560.4901 www.langan.com
 Langan Engineering & Environmental Services, Inc.
 Langan Engineering, Environmental, Surveying, Landscape
 Architecture and Geology, D.P.C.
 Langan International LLC
 Collectively known as Langan
 NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
GO BROOME DEVELOPMENT
 BLOCK No. 346, PROPOSED LOT 75
 MANHATTAN
 NEW YORK COUNTY NEW YORK

Drawing Title
SOIL VAPOR ANALYTICAL RESULTS MAP

Project No. 100646801
 Date 2/26/2019
 Scale 1" = 40'
 Drawn By IHB
 Figure 5
 © 2012 Langan

APPENDIX A

GEOPHYSICAL REPORT

**GEOPHYSICAL SURVEY
60 NORFOLK STREET
NEW YORK, NEW YORK**

Prepared for:

LANGAN
300 Kimball Drive, 4th Floor
Parsippany, New Jersey, 07054-2172

Prepared by:

Hager-Richter Geoscience, Inc.
846 Main Street
Fords, New Jersey 08863

File 19JCC04
January 2019

HAGER-RICHTER GEOSCIENCE, INC.

GEOPHYSICS FOR THE ENGINEERING COMMUNITY
SALEM, NEW HAMPSHIRE
Tel: 603.893.9944
FORDS, NEW JERSEY
Tel: 732.661.0555

January 31, 2019
File 19JCC04

Matthew Oleske
Senior Staff Engineer
LANGAN
300 Kimball Drive, 4th Floor
Parsippany, New Jersey 07054-2172

Tel: 551-232-9835
Cell: 973-560-4273
Email: moleske@Langan.com

RE: Geophysical Survey
60 Norfolk Street
New York, New York

Dear Mr. Oleske:

In this report, we summarize the results of a geophysical survey conducted in January 2019 by Hager-Richter Geoscience, Inc. (HRG), dba HR Geological Services in NY, at the above referenced site for Langan Engineering & Environmental Services (Langan). The scope of the project and area of interest were specified by Langan.

INTRODUCTION

The site is located at 60 Norfolk Street, in New York, New York. The site comprises an asphalt-paved parking lot, landscaped area and a concrete surfaced courtyard that measured approximately 25,000 square feet. A former site building, currently fenced, was not part of the scope of work. Figure 1 shows the general location of the Site. Langan requested a geophysical survey to detect subsurface obstructions such as underground storage tanks (USTs) and subsurface utilities in the accessible portions of the area of interest (AOI). Langan was also interested in clearing the locations of several proposed borings within the AOI of obstructions. Figure 2 shows the approximate limits of the geophysical survey.

OBJECTIVE

The objective of the geophysical survey was to detect subsurface objects such as USTs, utilities, etc., and if detected, to locate them in the accessible portions of the proposed area of interest.

THE SURVEY

Alexis Martinez and Amanda Fabian, P.G. conducted the field operations on January 25, 2019. The project was coordinated with Matthew Oleske of Langan. Mr. Samuel Haines, also of Langan, specified the AOI and was present on site during the survey.

The geophysical survey was conducted using three complementary geophysical methods: time domain electromagnetic induction (EM61), ground penetrating radar (GPR), and precision utility location (PUL). The EM61 data were acquired at approximately 8-inch intervals along lines spaced 5 feet apart in the accessible portions of the AOI. The EM survey detects and outlines areas containing buried metal. However, the EM method cannot provide information on the type of objects causing EM anomalies. In order to aid in the identification of the objects, GPR data were acquired in two mutually perpendicular directions and spaced no more than 5 feet apart across the accessible portions of the AOI. The GPR method is useful for detecting both metallic and non-metallic subsurface objects. Portions of the courtyard (the southern section of the AOI) were inaccessible due to large planters and/or trees.

The PUL system was used for tracking utilities in the AOI by connecting the transmitter to surface features such as valves and hydrants and by scanning the AOI for the presence of live electric lines.

EQUIPMENT AND PROCEDURES

EM61. For the EM61 survey, we used a Geonics EM61-MK2 time domain electromagnetic induction metal detector. The EM61 is a time-domain electromagnetic induction type instrument designed specifically for detecting buried metal objects. An air-cored 1-meter by ½-meter transmitter coil generates a pulsed primary magnetic field in the earth, thereby inducing eddy currents in nearby metal objects. The decay of the eddy current produces a secondary magnetic field that is sensed by two receiver coils, one coincident with the transmitter and one positioned 40 cm above the main coil. By measuring the secondary magnetic field after the current in the ground has dissipated but before the current in metal objects has dissipated, the instrument responds only to the secondary magnetic field produced by metal objects. Four channels of secondary response are measured in mV and are recorded on a digital data logger. The system is generally operated by pushing the coils as a wagon with an odometer mounted on the axle to trigger the data logger automatically at approximately 8-inch intervals.

GPR. The GPR survey was conducted using a Geophysical Survey Systems, Inc. UtilityScan HS system using a Hyper Stacking antenna with central frequency of 350 MHz and a 100 ns time window. The system includes a survey wheel that triggers the recording of the data at fixed intervals, thereby increasing the accuracy of the locations of features detected along the survey lines.

GPR uses a high-frequency electromagnetic pulse (referred to herein as “radar signal”) transmitted from a radar antenna to probe the subsurface. The transmitted radar signals are reflected from subsurface interfaces of materials with contrasting electrical properties. The travel times of the radar signal can be converted to approximate depth below the surface by correlation with targets of known depths, including stratigraphic horizons, pipes, cables, and other utilities, or by using handbook values of velocities for the materials in the subsurface. The acquisition of GPR data was monitored in the field on a graphic recorder and the real time images were immediately available for field use. The GPR data were also recorded digitally for subsequent processing. Interpretation of the records is based on the nature and intensity of the reflected signals and on the resulting patterns.

PUL. The PUL survey was conducted using a precision electromagnetic pipe and cable locator, Radiodetection RD7000 series. The RD7000 series consists of separate transmitter and receiver. The system can be used in "passive" and "active" modes to locate buried pipes by detecting electromagnetic signals carried by the pipes. In the "passive" mode, only the receiver unit is used to detect signals carried by the pipe from nearby power lines, live signals transmitted along underground power cables, or very low frequency radio signals resulting from long wave radio transmissions that flow along buried conductors. In the "active" mode of operation, the transmitter is used to induce a signal on a target pipe, and the receiver is used to trace the signal along the length of the pipe. Our system uses a 10W transmitter.

LIMITATIONS OF THE METHOD

HAGER-RICHTER GEOSCIENCE, INC. MAKES NO GUARANTEE THAT ALL SUBSURFACE TARGETS OF INTEREST WERE DETECTED IN THIS SURVEY. HAGER-RICHTER GEOSCIENCE, INC. IS NOT RESPONSIBLE FOR DETECTING SUBSURFACE TARGETS THAT NORMALLY CANNOT BE DETECTED BY THE METHODS EMPLOYED OR THAT CANNOT BE DETECTED BECAUSE OF SITE CONDITIONS. GPR SIGNAL PENETRATION MAY NOT BE DEEP ENOUGH TO DETECT SOME TARGETS. HAGER-RICHTER GEOSCIENCE, INC. IS NOT RESPONSIBLE FOR MAINTAINING FIELD MARKOUTS AFTER LEAVING THE WORK AREA. THE CLIENT UNDERSTANDS THAT MARK-OUTS MADE DURING INCLEMENT WEATHER OR IN AREAS OF HIGH PEDESTRIAN OR VEHICULAR TRAFFIC MAY NOT LAST.

Field mark-outs. Utilities detected by the geophysical methods at the time of the survey are marked in the field, and the operator makes every attempt, field conditions permitting, to detect and mark as many utilities as possible at the time of survey. Adverse weather and site conditions (rain, snow, snow and soil piles, uneven surfaces, high traffic, etc.) can hamper in-field interpretation. Utility mark-outs made on wet pavement, snow, snow piles, gravel surfaces, or in

active construction zones may not last. HRG is not responsible for maintaining utility mark-outs after leaving the work area.

EM61. All electromagnetic geophysical methods, including the EM method used here, are affected by the presence of power lines and surface metal objects (steel sided buildings, dumpsters, vehicles, railroad tracks, reinforced concrete, etc.). Where such are present, the effects of materials in the subsurface may be masked, and firm conclusions about subsurface conditions cannot be made.

Detection and identification should be clearly differentiated. Detection is the recognition of the presence of a metal object, and the electromagnetic method is excellent for such purposes. Identification, on the other hand, is determination of the nature of the causative body (i.e., what is the body -- a cache of drums, UST, automobile, white goods, etc.?). Although the EM61 data cannot be used to identify buried metal objects, they provide excellent guides to the identification of some objects. For example, buried metal utilities produce anomalies with lengths many times their widths.

GPR. There are limitations of the GPR technique as used to detect and/or locate targets such as those of the objectives of this survey: (1) surface conditions, (2) electrical conductivity of the ground, (3) contrast of the electrical properties of the target and the surrounding soil, and (4) spacing of the traverses. Of these restrictions, only the last is controllable by us.

The condition of the ground surface can affect the quality of the GPR data and the depth of penetration of the GPR signal. Sites covered with snow piles, high grass, bushes, landscape structures, debris, obstacles, soil mounds, etc. limit the survey access and the coupling of the GPR antenna with the ground. In many cases, the GPR signal will not penetrate below concrete pavement, especially inside buildings, and a target may not be detectable. The GPR method also commonly does not provide useful data under canopies found at some facilities. GPR surveys inside buildings may be severely constrained by space limitations and interference from above-grade structures.

The electrical conductivity of the ground determines the attenuation of the GPR signals, and thereby limits the maximum depth of exploration. For example, the GPR signal does not penetrate clay-rich soils, and targets buried in clay might not be detected.

A definite contrast in the electrical conductivities of the surrounding ground and the target material is required to obtain a reflection of the GPR signal. If the contrast is too small, possibly due to construction details or deeply corroded metal in the target, then the reflection may be too weak to recognize, and the target can be missed. In many cases, plastic, clay, asbestos concrete (transite), brick-lined, stone-lined, and other non-metallic utilities cannot be detected.

Spacing of the traverses is limited by access at many sites, but where flexibility of traverse spacing is possible, the spacing is adjusted to the size of the target. The GPR operator controls the spacing between lines, and the design of the survey is based on the dimensions of the smallest feature of interest. Targets with dimensions smaller than the spacing between GPR survey lines can be missed.

PUL. The PUL equipment cannot detect non-metallic utilities, such as pipes constructed of vitrified clay, transite, plastic, PVC, fiberglass, and unreinforced concrete, when used in passive mode alone. Such pipes can be detected if a wire tracer is installed with access to such tracer for transmission of a signal or where access (such as floor drains and clean-outs) permits insertion of a device on which a signal can be transmitted.

In some, but not all, cases, the subsurface utility designation equipment cannot detect metal utilities reliably under reinforced concrete because the signal couples onto the metal reinforcing in the concrete. Similarly, the method commonly cannot be used adjacent to grounded metal structures such as chain link fences and metal guardrails.

In congested areas, where several utilities are bundled or located within a short distance, the signal transmitted on one utility can couple onto adjacent utilities, and the accuracy of the location indicated by the instrument decreases.

RESULTS

The geophysical survey was conducted using EM61, GPR and PUL methods across the accessible portions of the specified AOI. Figure 3 is a color contour plot of the EM61 survey, and Figure 4 shows the locations of the GPR traverses and an integrated interpretation of the geophysical data

EM61. Interpretation of EM data is based on the relative response of the instrument in millivolts to local conditions. The instrument is not calibrated to provide an absolute measure of a particular property, such as the conductivity of the soil or the strength of the earth's magnetic field. Subsurface metal objects produce sharply defined positive anomalies when the EM61 is positioned directly over them. Acquiring data at short intervals along closely spaced lines, as was done at the subject site, provides high spatial resolution of the location and footprint of the targets. Thus, buried metal is recognized in contour plots of EM data by positive anomalies roughly corresponding to the dimensions of the buried metal.

Several high amplitude EM anomalies are evident in Figure 3. Surface metal objects typically produce high amplitude EM anomalies, and those EM anomalies attributed to the effects of surface metal structures such as a fence, reinforced concrete pads, catch basins, containers, buildings, etc. are indicated as such in Figure 3. We note that the presence or absence of subsurface metal in such areas cannot be determined on the basis of the EM data alone due to the anomaly caused by the surface metal object.

Additional moderate amplitude EM anomalies are present in the northern portion of the survey area. A large high amplitude EM anomaly is present in the southern portion of the survey area and is caused by the presence of metal reinforcement or wire mesh in the concrete surface. GPR records in these locations were carefully examined to determine a cause. These anomalies are attributed to buried metal and are shown as red hatched areas on Figure 3

GPR. The locations of the GPR traverses and the integrated interpretation of the geophysical data are shown in Figure 3. Apparent GPR signal penetration was fair, with reflections received for about 25-35 nanoseconds. Based on velocity matching calibrations made for the area of interest, the GPR signal penetration is estimated to have been about 3.5 to 4.5 feet.

GPR reflections typical for a UST were not observed in the GPR records for the Site. Numerous irregular reflections typical for widespread debris were present throughout the site. As noted before, several moderate amplitude EM anomalies were detected, and the GPR records at those locations didn't reveal the presence of regularly shaped objects such as USTs or drums, therefore, we attribute those anomalies to the presence of debris containing metal.

The GPR records exhibit linear reflections typical of possible utilities or segments of utilities. The GPR records corroborated the presence of steel in the concrete pad located in the southern portion of the site, shown in Figure 3 with a hatched pattern. Whether buried structures such as USTs, utilities, foundations, etc. occur at a depth greater than the effective depth of investigation of the GPR (about 3.5 – 4.5 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.

Some of the utilities were also detected by the PUL method, and their locations are shown in Figure 3.

PUL. The PUL transmitter was attached to conduits located in and on the perimeter of the AOI such as light poles, gas valves, fire hydrants, telecommunication conduits, etc. We also conducted a PUL survey in "passive" mode to detect signals carried by utilities from nearby power lines. The locations of utilities detected were marked in the field at the time of the survey and are shown in Figure 3.

The proposed locations of several boreholes, to be installed by Langan, were marked in the field at the beginning of the survey. PUL detected utilities located in the vicinity of proposed borings were shown to Mr. Haines. Additional GPR records were acquired in the vicinity of the proposed boring locations to ensure that obstructions were not present. The approximate locations of the proposed borings are shown in the figures for reference. Note that proposed boring numbers 10, 16 and 17 were located along side a wooden fence. Therefore, no EM or GPR traverses could be conducted directly over those locations.

CONCLUSIONS

Based on the geophysical survey performed by Hager-Richter Geoscience, Inc. at 60 Norfolk Street, in New York, New York, we conclude that:

- No UST was detected within the investigated areas of interest. Whether buried structures such as USTs, utilities, foundations, etc. occur at a depth greater than the effective depth of investigation of the GPR (about 3.5 – 4.5 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.
- Possible utilities were detected and located in the area of interest.
- Possible areas of buried metal were detected.

LIMITATIONS ON USE OF THE REPORT

This letter report was prepared for the exclusive use of Langan Engineering & Environmental Services and its client (collectively, Client). No other party shall be entitled to rely on this Report, or any information, documents, records, data, interpretations, advice or opinions given to the Client by Hager-Richter Geoscience, Inc. (HRG) in the performance of its work. The Report relates solely to the specific project for which HRG has been retained and shall not be used or relied upon by the Client or any third party for any variation or extension of this project, any other project or any other purpose without the express written permission of HRG. Any unpermitted use by the Client or any third party shall be at the Client's or such third party's own risk and without any liability to HRG.

HRG has used reasonable care, skill, competence and judgment in the performance of its services for this project consistent with professional standards for those providing similar services at the same time, in the same locale, and under like circumstances. Unless otherwise stated, the work performed by HRG should be understood to be exploratory and interpretational in character and any results, findings or recommendations contained in this Report or resulting from the work proposed may include decisions which are judgmental in nature and not necessarily based solely on pure science or engineering. It should be noted that our conclusions might be modified if subsurface conditions were better delineated with additional subsurface exploration including, but not limited to, test pits, soil borings with collection of soil and water samples, and laboratory testing.

Except as expressly provided in this limitations section, HRG makes no other representation or warranty of any kind whatsoever, oral or written, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed.

Geophysical Survey
60 Norfolk Street
New York, New York
File 19JCC04 Page 8

HAGER-RICHTER
GEOSCIENCE, INC.

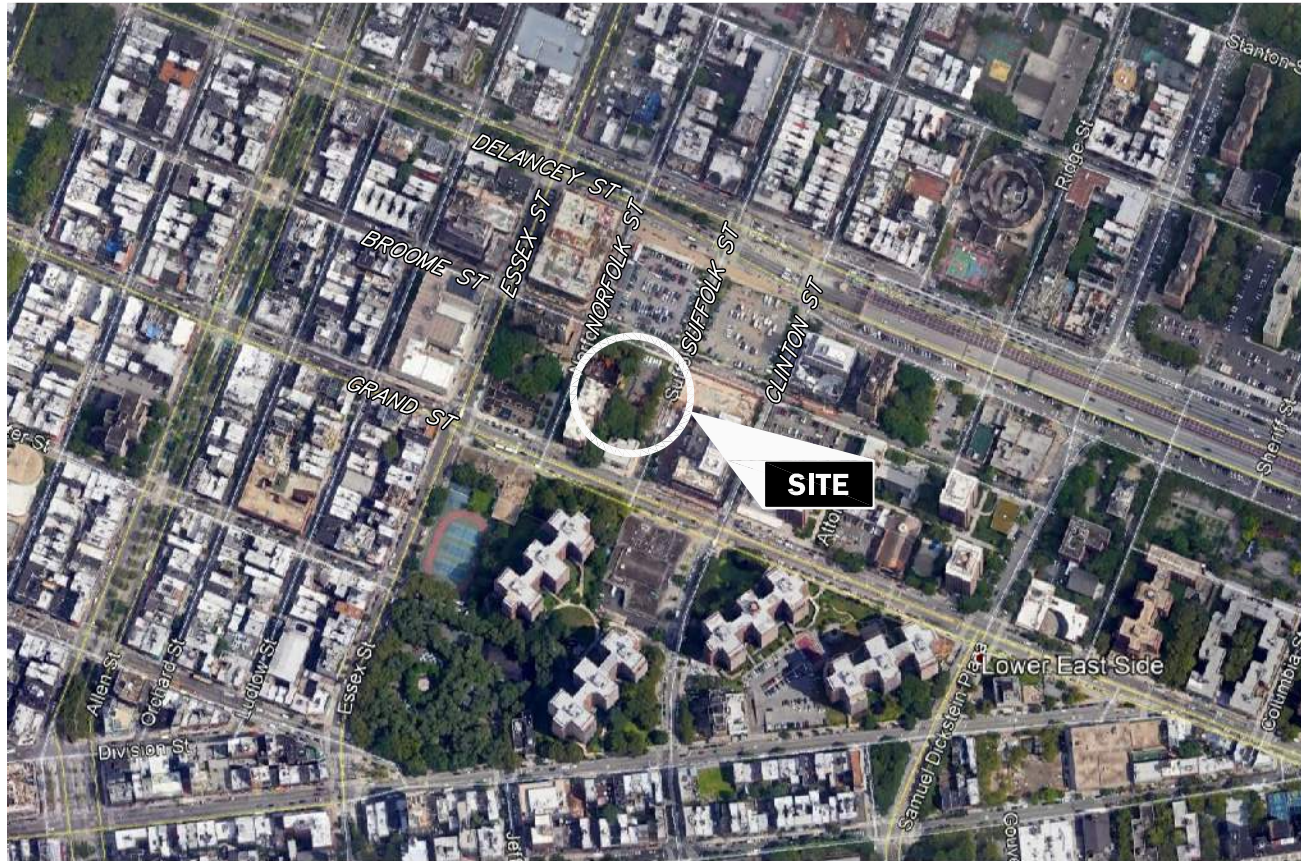
If you have any questions or comments on this letter report, please contact us at your convenience. It has been a pleasure to work with Langan on this project. We look forward to working with you again in the future.

Sincerely yours,
Hager-Richter GEOSCIENCE, INC.

A handwritten signature in black ink, appearing to read 'JC' with a flourish, on a light background.

José Carlos Cambero Calzada, P.G. (NY 000899)
Senior Geophysicist

Attachments: Figures 1 - 4



APPROXIMATE SCALE (feet)



LOCATION

Figure 1
 General Site Location
 60 Norfolk Street
 Manhattan, New York

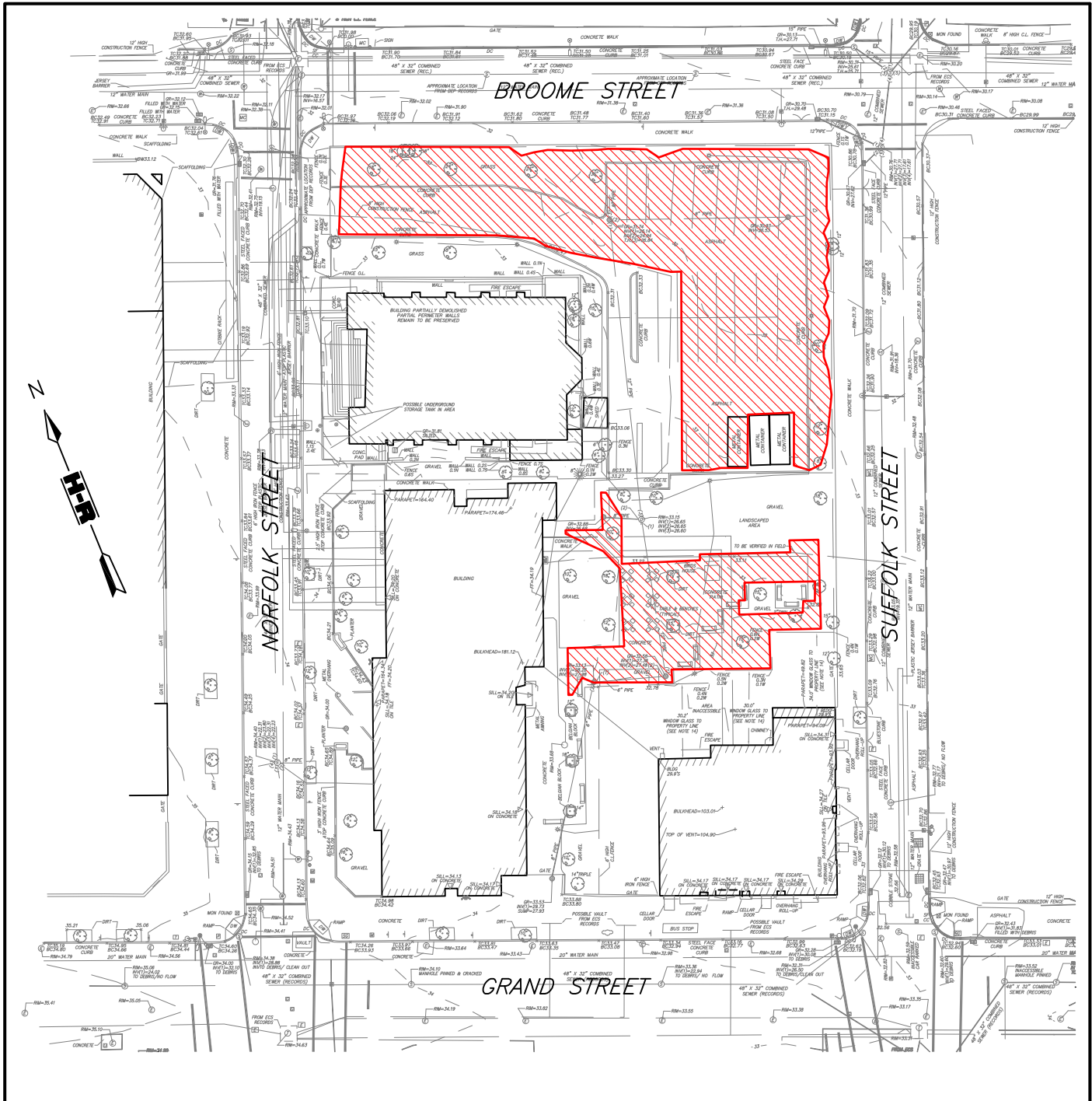
File 19JCC04 | January, 2019

HAGER-RICHTER
 Salem, NH | Fords, NJ

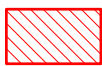
NOTE:

Modified from Google Earth Pro aerial photograph.

* DBA HR Geological Services in New York

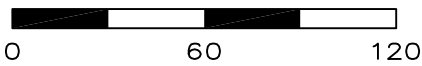


LEGEND



APPROXIMATE LIMITS OF GEOPHYSICAL SURVEY AREA

SCALE (feet)

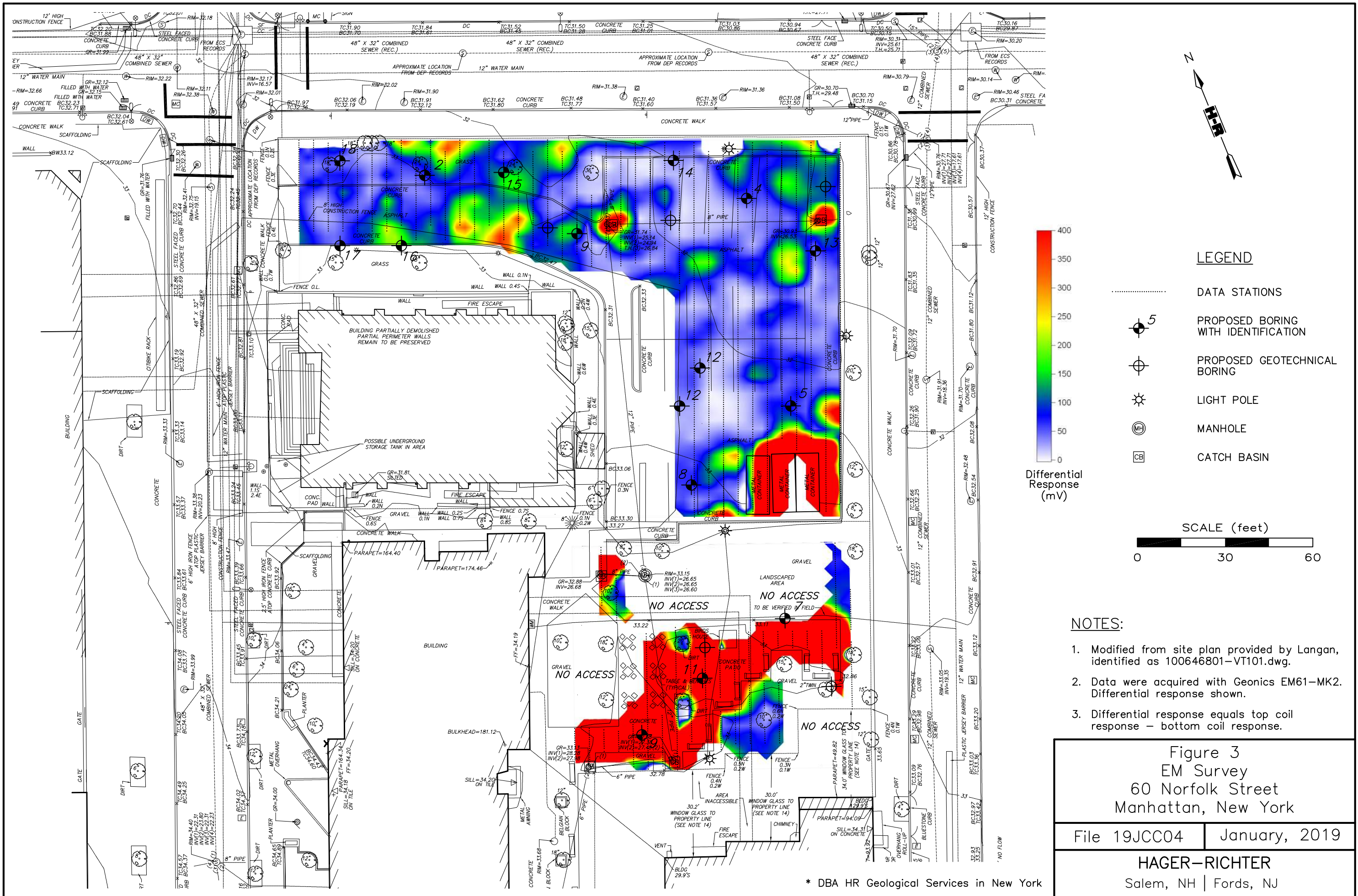


NOTE:

Modified from site plan provided by Langan, identified as 100646801-VT101.dwg.

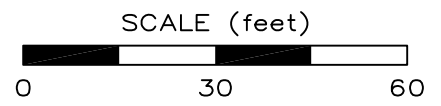
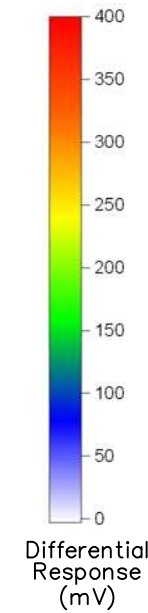
<p>Figure 2 Site Plan 60 Norfolk Street Manhattan, New York</p>	
File 19JCC04	January, 2019
<p>HAGER-RIECHTER Salem, NH Fords, NJ</p>	

* DBA HR Geological Services in New York



LEGEND

- DATA STATIONS
- ⊙ 5 PROPOSED BORING WITH IDENTIFICATION
- ⊕ PROPOSED GEOTECHNICAL BORING
- ☀ LIGHT POLE
- ⊕ MANHOLE
- ⊠ CATCH BASIN



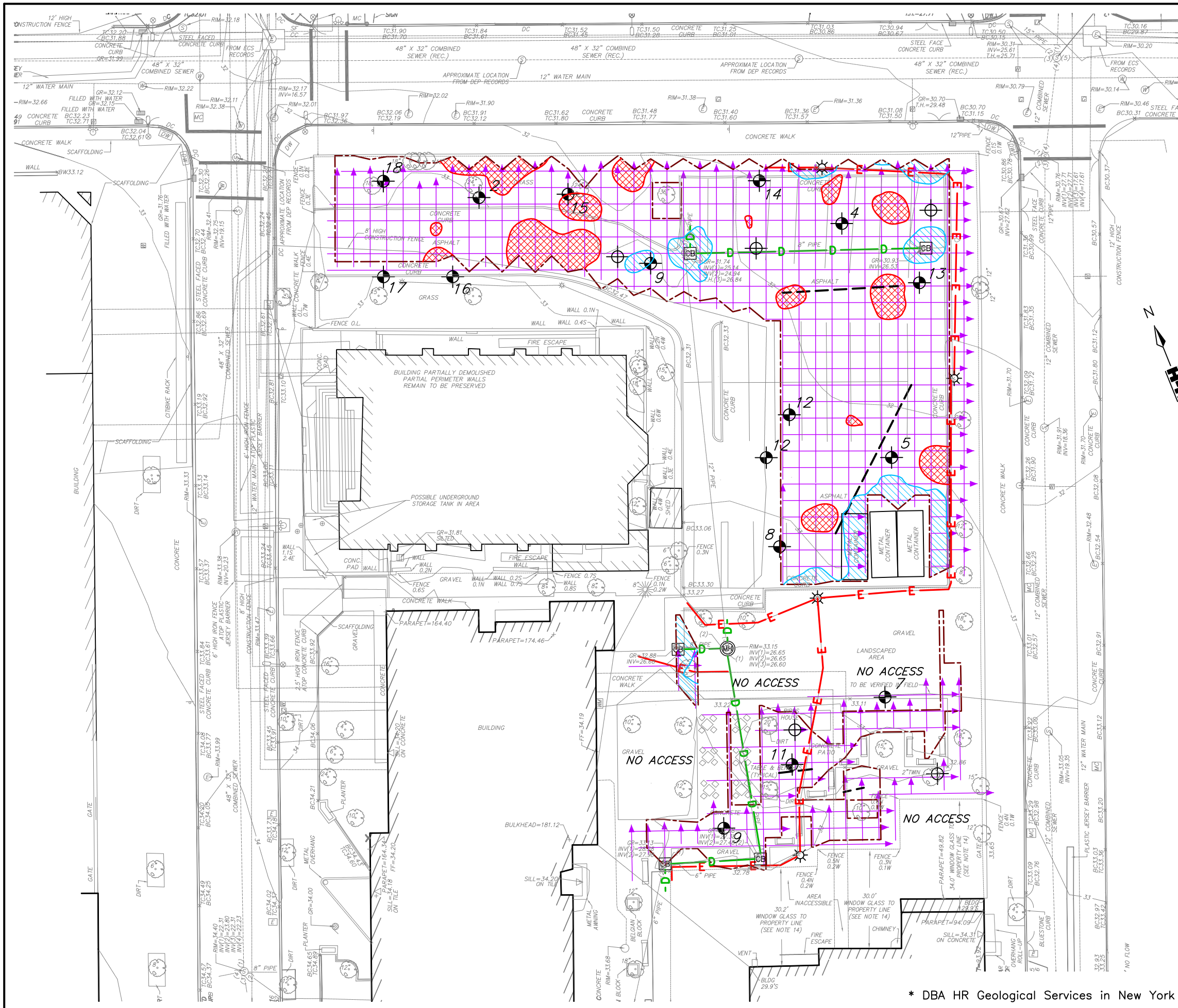
NOTES:

1. Modified from site plan provided by Langan, identified as 100646801-VT101.dwg.
2. Data were acquired with Geonics EM61-MK2. Differential response shown.
3. Differential response equals top coil response – bottom coil response.



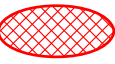



Figure 3
EM Survey
60 Norfolk Street
Manhattan, New York

File 19JCC04	January, 2019
HAGER-RICHTER Salem, NH Fords, NJ	






* DBA HR Geological Services in New York

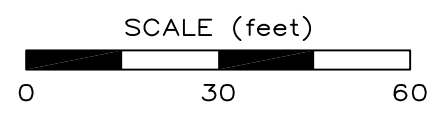


LEGEND

-  APPROXIMATE LIMITS OF EM SURVEY AREA
-  GPR TRAVERSE
-  AREA OF POSSIBLE BURIED METAL
-  ELECTRIC LINE
-  DRAIN LINE
-  POSSIBLE UTILITY

EM ANOMALY ATTRIBUTED TO EFFECTS OF SURFACE OBJECTS. THE PRESENCE OR ABSENCE OF BURIED METAL WITHIN THIS AREA CANNOT BE DETERMINED ON THE BASIS OF THE EM61 DATA ALONE.

-  PROPOSED BORING WITH IDENTIFICATION
-  PROPOSED GEOTECHNICAL BORING
-  LIGHT POLE
-  MANHOLE
-  CATCH BASIN



NOTE:
Modified from site plan provided by Langan, identified as 100646801-VT101.dwg.

Figure 4
GPR Survey &
Integrated Interpretation
60 Norfolk Street
Manhattan, New York

File 19JCC04	January, 2019
HAGER-RICHTER	
Salem, NH Fords, NJ	

* DBA HR Geological Services in New York

APPENDIX B

BORING AND WELL LOGS

Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 32.5 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/29/19		Date Finished 1/29/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 30 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples ---		Disturbed ---
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel			Casing Depth (ft) ---		Core ---
Casing Hammer ---			Weight (lbs) ---		Drop (in) ---
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Drilling Foreman Nick Turro		
Sampler Hammer ---			Weight (lbs) ---		Drop (in) ---
			Field Engineer Samuel Haines		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist B/Join		PID Reading (ppm)	
Fill	+32.5		0	M-1A	Macrocore	30		0.0	Started Drilling at 1/29/2019 8:15 AM Sample LSB-2A taken 0.0-2.0' (VOC collected 1.5'-2.0') (6-inch interval) at 0830	
	+31.9	Dark brown m-c GRAVEL (dry)[ASPHALT]	1	M-1B						0.0
		Dark brown m-c SAND, some brick, some f-c gravel, trace concrete	2							0.0
	+30.5	Brownish orange m-c GRAVEL, [brick] (dry)	3	M-1C	0.0					
			4		0.0					
	+27.5	Orangish brown coarse SAND, some coarse gravel, [brick] (dry)	5	M-2A	Macrocore	32		0.0		
	+26.4	Light gray CLAY, some f-c sand, trace wood (moist)	6	M-2B						0.0
	+25.6	Tannish brown f-c SAND, some brick, trace silt, trace fine gravel (dry)	7	M-2C						0.0
	+24.8	Dark gray m-c SAND, some coarse gravel (dry)	8	M-2D						0.0
	+24.0	Tannish brown fine SAND, trace silt (dry)	9	M-2E						0.0
	+22.5	Orangish brown m-c SAND, some brick, some m-c gravel, trace silt (dry)	10		Macrocore	60		0.0		
	+21.5	Tannish brown fine SAND, some silt (dry)	11	M-3A						0.0
			12							0.0
	+17.5	Orangish brown m-c SAND, some brick, some f-c gravel, trace concrete, trace silt (dry)	15		Macrocore	60		0.0		
	+15.7	Brown SILT, trace fine sand (wet)	16	M-4A						0.0
			17							0.0
			18	M-4B						0.0
	+13.4	Tannish brown m-c SAND, trace silt (moist)	19		Macrocore			0.0		
	+12.5		20	M-4C						0.0

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Project	GO Broome Development	Project No.	100646801
Location	Broome Street, New York, NY	Elevation and Datum	Approx el 32.5 -feet NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
Fill	+12.5	Brown fine SAND, some silt (dry)	20					0.1	
	+11.8	Orangish brown f-c SAND, some brick, some f-c gravel, trace wood, trace silt (dry)	21	M-5A	Macrocore	60		0.0	
	+10.3		22	M-5B			0.0		
	+8.5	Tannish brown fine SAND, some silt (dry)	23				0.0		
	+7.5	Grayish tannish brown m-f SAND, trace silt (dry)	24	M-5C			0.0		
	+5.5		25	M-5D			0.0		
Native	+5.5	Tannish brown m-c SAND, some brick, some silt, trace fine gravel (dry)	26						
	+2.5		27	M-6A	0.0				
		Tannish brown f-m SAND, trace silt (wet)	28		Macrocore	60		0.0	
			29	M-6B			0.0		
			30				0.0		
			31				0.0		
		32		0.0					
		33		0.0					
		34		0.0					
		35		0.0					
		36		0.0					
		37		0.0					
		38		0.0					
		39		0.0					
		40		0.0					
		41		0.0					
		42		0.0					
		43		0.0					
		44		0.0					
		45		0.0					

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Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 31 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/28/19		Date Finished 1/28/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 30 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples Disturbed ---		Undisturbed 6
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel		Casing Depth (ft) ---	Water Level (ft.) First ∇ 28		Completion ∇ ---
Casing Hammer ---	Weight (lbs) ---	Drop (in) ---	Drilling Foreman Nick Turro		
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Field Engineer Samuel Haines		
Casing Hammer ---	Weight (lbs) ---	Drop (in) ---			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist BL/In		PID Reading (ppm)	
Fill	+31.0		0	M-1A	Macrocore	30		0.0	Started Drilling at 1/28/2019 11:15 AM. Sample LSB-4A taken 0.0-2.0' (VOC collected 1.5'-2.0') (6-inch interval) at 1140	
	+30.7	Dark brown m-c GRAVEL, some coarse sand (dry)[ASPHALT] Grayish brown m-c SAND, some f-c gravel, trace concrete, trace brick, trace silt (dry)	1	M-1B						0.0
	+28.8	Grayish brown m-c SAND, some brick, some f-c gravel, trace silt (dry)	2	M-1C						0.0
	+27.5	Dark brown f-c SAND, some f-m gravel, some organics, trace silt (dry)	3	M-1D	0.0					
	+26.0	Orangish red c-m GRAVEL, some brick, some c-f sand, [brick] (dry)	4	M-2A	Macrocore	20		0.0		
			5	M-2B						0.0
			6	M-2C						0.0
				7	M-3A	Macrocore	24			0.0
	+21.0	Light brown f-c SAND, some brick, some concrete, some f-c gravel, trace silt (dry)	8	M-3B	0.0					
	+18.5	Gray f-m SAND, some silt, some f-m gravel (moist)	9	M-3C	0.0					
				10	M-4A	Macrocore	36			0.0
	+16.0	Dark brown m-c SAND, some f-c gravel, trace brick, trace silt (dry)	11	M-4B	0.0					
	+14.3	Tannish brown f-m SAND, some brick, some f-m gravel, trace silt (dry)	12	M-4C	0.0					
	+13.5	Tannish brown f-m SAND, trace silt (dry)	13	M-4D	0.0					
				14				0.0		
				15				0.0		
				16				0.0		
				17				0.0		
				18				0.0		
				19				0.0		
			20				0.0			

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Sample LSB-4B taken 18.0-20.0' (VOC collected from 19.5'-20.0') (6-inch interval) at 1200.

Project		Project No.							
GO Broome Development		100646801							
Location		Elevation and Datum							
Broome Street, New York, NY		Approx el 31 -feet NAVD88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
Fill	+11.0	Tannish brown f-m SAND, trace silt (dry)	20	M-5 Macrocore		48		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
		+6.0	Tannish brown f-m SAND, trace silt (dry)	25	M-6A			0.0	
		+5.3	Brown c-f SAND, some brick, some concrete, some f-c gravel, trace silt (moist)	26				0.0	
				27				0.0	
		+3.0	Light brown f-m SAND, some silt (wet)	28	M-6B Macrocore	60		0.0	
				29				0.0	
	+1.0		30	M-6C			0.0		
			31					Bottom of boring at 1/28/2019 1:39 PM. Direct-push from 30' to 35' bgs for installation of 1-inch-diameter temporary monitoring well LMW-4. Screen Interval from 25' to 35' bgs. LSV-4 offset 2-feet and installed to 20' bgs.	
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 32.4 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/28/19		Date Finished 1/28/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 30 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples ---		Disturbed ---
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel			Casing Depth (ft) ---		Undisturbed 6
Casing Hammer ---			Weight (lbs) ---		Drop (in) ---
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Drilling Foreman Nick Turro		
Sampler Hammer ---			Weight (lbs) ---		Drop (in) ---
			Field Engineer Samuel Haines		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist B/Join		PID Reading (ppm)	
Fill	+32.4		0	M-1A	Macrocore	27		0.1 0.1 0.1	Started Drilling at 1/28/2019 8:27 AM. Sample LSB-5A taken 0.0-2.0' (VOC collected 1.5'-2.0') (6-inch interval) at 0845	
	+31.8	Dark brown m-c GRAVEL (dry)[ASPHALT]	1	M-1B						0.1
		Grayish brown m-c SAND, some brick, some fine gravel, trace silt (dry)	2							0.1
	+29.6	Grayish brown f-c SAND, some f-c gravel, trace brick, trace silt (dry)	3	M-1C	0.1					
	+27.4	Grayish brown f-c SAND, some f-c gravel, trace brick, trace silt (dry)	4		0.1					
	+26.7	Brown f-c SAND, some fine gravel (dry)	5	M-2A	Macrocore	28		0.1 0.1 0.1		
	+26.2	Dark brown f-m GRAVEL, some medium sand, trace silt (dry)	6	M-2B						0.1
		Grayish brown f-c SAND, some brick, some coarse gravel, Concrete	7	M-2C						0.1
	+24.7	Tannish orange coarse GRAVEL, some f-m sand, trace silt (dry)	8	M-2D	Macrocore	48		0.1 0.1 0.1		
	+24.4	Dark brown m-c SAND, some fine gravel, trace silt (dry)	9	M-2E						0.1
		Dark brown m-c SAND, some f-c gravel, trace brick, trace concrete, trace silt, tr asphalt (dry)	10							0.0
	+22.4		11	M-3A	Macrocore	54		0.0 0.0 0.0		
	+20.8	Tannish brown f-m SAND, trace silt (dry)	12							0.0
		Orangish brown f-m SAND, trace silt (dry)	13	M-3B						0.0
	+17.4		14		Macrocore			0.0 0.0 0.0		
	+16.8	Grayish brown m-c SAND, some f-c gravel, trace concrete, trace brick, trace silt (dry)	15	M-4A						0.0
	+15.7		16	M-4B						0.0
			17		Macrocore			0.0 0.0 0.0		
			18							0.0
		19	M-4C	0.0						
+12.4		20					0.0	Sample LSB-5B taken 18.0-20.0' (VOC collected 19.5'-20.0') (6-inch interval) at 0915.		

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Project		Project No.							
GO Broome Development		100646801							
Location		Elevation and Datum							
Broome Street, New York, NY		Approx el 32.4 -feet NAVD88							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist BL/6in		PID Reading (ppm)
Fill	+12.4	Tannish brown f-m SAND, trace silt (dry)	20					0.0	
			21					0.0	
			22	M-5A	MACROCORE			0.0	
	+9.9		22					0.0	
	+9.6	Brown f-m SAND, trace silt (dry)	23	M-5B	MACROCORE	58		0.0	
		Brown f-m SAND, some f-m gravel, trace brick, trace concrete, trace silt (dry)	23					0.0	
			24					0.0	
			24	M-5C	MACROCORE			0.0	
			25					0.0	
			25					0.0	
Native	+7.4	Brown f-m SAND, trace silt	25					0.0	
			26					0.0	
			27					0.0	
	+4.8	Brown f-m SAND, trace silt	28	M-6A	MACROCORE	52		0.0	
			28					0.0	
			29	M-6B	MACROCORE			0.0	
			29					0.0	
			30					0.0	
			31					0.0	
			32					0.0	
		33					0.0		
		34					0.0		
		35					0.0		
		36					0.0		
		37					0.0		
		38					0.0		
		39					0.0		
		40					0.0		
		41					0.0		
		42					0.0		
		43					0.0		
		44					0.0		
		45					0.0		
								Bottom of boring at 1/28/2019 1:38 PM. Direct-push from 30' to 35' bgs for installation of 1-inch-diameter temporary monitoring well LMW-5. Screen Interval from 25' to 35' bgs. LSV-5 offset 2-feet and installed to 20' bgs.	

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Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 32.5 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/29/19		Date Finished 1/29/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 30 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples ---		Disturbed ---
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel			Casing Depth (ft) ---		Water Level (ft.) First ∇ 28
Casing Hammer ---			Weight (lbs) ---		Drop (in) ---
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Drilling Foreman Nick Turro		
Sampler Hammer ---			Weight (lbs) ---		Drop (in) ---
			Field Engineer Samuel Haines		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)			
				Number	Type	Recov. (in)	Penetr. resist B/Join		PID Reading (ppm)		
	+32.5		0	M-1A	Macrocore	36		0.0	Started Drilling at 1/29/2019 1:10 PM		
	+31.5	Light gray m-c GRAVEL, some fine sand (dry)[CONCRETE]	1	M-1B						0.0	Sample LSB-6A taken 0.0-2.0' (VOC collected 1.5'-2.0') (6-inch interval) at 1335
	+31.0	Orange m-c GRAVEL, some medium sand, [brick] (dry)	2	M-1C						0.0	
	+30.5	Orangish brown medium SAND, some brick, trace silt (dry)	3	M-1D						0.0	
	+30.0	Orange f-c GRAVEL, some f-c sand, [dry] (dry)	4	M-1E						0.0	
	+29.5	Brown f-m SAND, some brick, some fine gravel, trace silt (dry)	5	M-1F						0.0	
	+29.1	Light tan f-m SAND, some f-m gravel	6	M-1G						0.0	
	+27.5	Brownish tan fine SAND, trace silt (dry)	7	M-2A						0.0	
	+26.5	Dark brown m-f SAND, some brick, some fine gravel, trace silt (dry)	8	M-2B						0.0	
	+23.5	Orangish tannish brown fine SAND, some silt (dry)	9	M-2C						0.0	
	+23.1	Orangish tannish brown fine SAND, some silt (wet)	10	M-2D	0.0						
	+22.5	Brown coarse SAND, trace fine gravel (moist)	11	M-3A	Macrocore	60		0.0			
	+22.0	Brown coarse SAND, trace fine gravel (moist)	12	M-3B						0.0	
	+18.5	Brown m-c SAND (dry)	13	M-3C						0.0	
	+17.5	Brown fine SAND, some silt (dry)	14	M-4A						0.0	
	+15.5	Brown f-m SAND, some brick, some f-c gravel, trace silt (dry)	15	M-4B						0.0	
	+13.7	Light brown coarse SAND, some fine gravel (dry)	16	M-4C						0.0	
	+12.5	Light brown medium SAND, some fine gravel, trace silt (dry)	17							0.0	
			18							0.0	
			19							0.0	
			20							0.0	

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Fill

Sample LSB-6B taken 18.0-20.0' (VOC collected 19.5'-20.0') (6-inch interval) at 1400

Project		GO Broome Development		Project No.		100646801		
Location		Broome Street, New York, NY		Elevation and Datum		Approx el 32.5 -feet NAVD88		
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BL/6in	
Native	+12.5	Light brown fine SAND, trace silt (dry)	20	M-5A Macrocore	34			0.0
	21		0.0					
	22		0.0					
	23		0.0					
	24		0.0					
	+9.3	Light brown f-m SAND, trace silt (dry)	25	M-5B				0.0
	26		0.0					
	+7.5	Brown f-m SAND, some f-c gravel, trace silt (dry)	27	M-6A Macrocore	60			0.0
	28		0.0					
	29		0.0					
	30		0.0					
	+4.5	Brown fine SAND, some silt (moist)	31	M-6B				0.0
32	0.0							
+2.5		33					0.0	
		34					0.0	
		35					0.0	
		36					0.0	
		37					0.0	
		38					0.0	
		39					0.0	
		40					0.0	
		41					0.0	
		42					0.0	
		43					0.0	
		44					0.0	
		45					0.0	
								Bottom of boring at 1/29/2019 2:17 PM. Direct-push from 30' to 35' bgs for installation of 1-inch-diameter temporary monitoring well LMW-6. Screen Interval from 25' to 35' bgs. LSV-6 offset 2-feet and installed to 20' bgs.

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Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 33 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/30/19		Date Finished 1/30/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 20 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples	Disturbed ---	Undisturbed 4
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel		Casing Depth (ft) ---	Water Level (ft.) First ▽ NA	Completion ▽ ---	24 HR. ▽ ---
Casing Hammer ---	Weight (lbs) ---	Drop (in) ---	Drilling Foreman Nick Turro		
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Field Engineer Samuel Haines		
Sampler Hammer ---	Weight (lbs) ---	Drop (in) ---			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)				
				Number	Type	Recov. (in)	Penetr. resist B/Join		PID Reading (ppm)			
Fill	+33.0	Light gray m-c GRAVEL, some fine sand (dry)[CONCRETE]	0	M-1A	Macrocore	14			0.1	Started Drilling at 1/30/2019 8:53 AM. Sample LSB-7A taken 0.0-2.0' (VOC collected 1.5'-2.0') (6-inch interval) at 1335		
			1						0.1			
			2						0.1			
			3						0.2			
		+30.9	Dark brown f-c SAND, some brick, some f-m gravel, trace concrete, trace silt (dry)	3	M-1B				0.2			
				4					0.3			
				5				0.1				
				6				0.1				
				7	M-2	Macrocore	22				0.2	
				8							0.2	
				9							0.2	
				10							0.2	
		+28.0	Brown f-c SAND, some brick, trace concrete, trace wood, trace silt (dry)	10					0.2			
				11	M-3A	Macrocore	34				0.2	
		+23.0	Dark brown f-c SAND, some brick, some fine gravel, trace concrete, trace silt (dry)	11							0.2	
		+22.3	Light brown f-m SAND, trace silt (dry)	12							0.2	
				13	M-3B							
				14					0.1			
				15					0.1			
		+18.0	Brown f-c SAND, some brick, trace concrete, trace silt (dry)	15					0.1			
			16	M-4A	Macrocore	48			0.1			
	+16.8	Brown coarse SAND, trace silt (moist)	16	M-4B								0.1
	+16.7	Tannish brown medium SAND, trace silt (moist)	17	M-4C								0.1
	+16.0	Tannish brown fine SAND, some silt (dry)	17									0.1
			18					0.1				
			19	M-4D				0.1				
			20					0.1				

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Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 33.2 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/28/19		Date Finished 1/28/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 25 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples ---		Disturbed ---
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel			Casing Depth (ft) ---		Core ---
Casing Hammer ---			Weight (lbs) ---		Drop (in) ---
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Drilling Foreman Nick Turro		
Sampler Hammer ---			Weight (lbs) ---		Drop (in) ---
			Field Engineer Samuel Haines		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)			
				Number	Type	Recov. (in)	Penetr. resist B/In		PID Reading (ppm)		
Fill	+33.2	Dark brown m-c GRAVEL, some f-c sand (dry)[ASPHALT]	0	M-1A	Macrocore	21		0.0	Started Drilling at 1/28/2019 7:26 AM. Sample LSB-8A taken 0.0-2.0' (VOC collected 1.5'-2.0') (6-inch interval) at 0735		
	+31.3	Brown f-c SAND, some f-m gravel (dry)	1	M-1B						0.0	
	+29.4	Reddish orange m-c GRAVEL, some m-c sand, Brick (dry)	2	M-1C						0.0	
	+28.9	Grayish gray m-c GRAVEL (dry)	3	M-1D						0.0	
	+28.2	Light gray f-c GRAVEL, some fine sand, trace silt (dry)	4	M-2A	Macrocore	26		0.0			
	+27.1	Tannish yellow m-c SAND, some f-c gravel (dry)	5	M-2B						0.0	
	+25.2	Reddish brown coarse SAND, some fine gravel, trace silt (dry)	6	M-2C	Macrocore	36		0.0			
	+24.0	Brown coarse SAND, some fine gravel, trace silt (dry)	7	M-2D						0.0	
	+23.2	Brownish tan f-c SAND, some f-m gravel, trace silt (dry)	8	M-3A						0.0	
	+22.4	Brown f-m SAND, trace silt (dry)	9	M-3B	Macrocore	48		0.0			
	+19.9	Light brown f-m SAND, trace silt (dry)	10	M-3C						0.0	
	Native	+18.2	Dark brown m-c SAND, some f-c gravel, trace silt (dry)	11	M-4A	Macrocore				0.0	
		+17.0	Light tannish brown fine SAND (dry)	12	M-4B						0.0
				13							0.0
			14		0.0						
			15				0.0	Sample LSB-8B taken 18.0'-20.0' (VOC collected 19.5'-20.0') (6-inch interval) at 0805.			
			16				0.0				
			17				0.0				
			18				0.0				
			19				0.0				
			20				0.0				

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Project GO Broome Development	Project No. 100646801
Location Broome Street, New York, NY	Elevation and Datum Approx el 33.2 -feet NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
Native	+13.2	Brown f-c SAND, trace silt, trace f-m gravel (dry)	20					0.0	
			21	M-5A				0.1	
		22					0.1		
	+11.5	Tannish brown fine SAND, trace silt (dry)	23					0.0	
			24	M-5B				0.0	
		25			46		0.0		
		26					0.0		
		27					0.0		
		28					0.0		
		29					0.0		
	30					0.0			
	+8.2		31					Bottom of boring at 1/28/2019 8:30 AM. LSV-8 offset 2-feet and installed to 20' bgs	
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 32 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/28/19		Date Finished 1/28/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 20 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples Disturbed ---		Undisturbed 4
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel		Casing Depth (ft) ---	Water Level (ft.) First ∇ NA		Completion ∇ ---
Casing Hammer ---	Weight (lbs) ---	Drop (in) ---	Drilling Foreman Nick Turro		
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Field Engineer Samuel Haines		
Casing Hammer ---	Weight (lbs) ---	Drop (in) ---			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist B/In		PID Reading (ppm)	
Fill	+32.0		0	M-1A	Macrocore	36		0.0	Started Drilling at 1/28/2019 2:00 PM Sample LSB-9A taken 0.0'-2.0' (VOC collected 1.5'-2.0') (6-inch interval) at 1430	
	+31.7	Dark brown m-c GRAVEL (dry)[ASPHALT] Brown m-c SAND, some brick, some f-c gravel, trace concrete, trace silt (dry)	1	M-1B						0.0
	+29.8	Tan fine SAND, some silt, some f-c gravel (moist)	2							0.0
	+28.2	Gray f-c SAND, some f-c gravel (dry)	3	M-1C						0.0
	+27.0	Gray f-c SAND, some f-c gravel, trace silt (dry)	4	M-1D	0.0					
			5		0.0					
			6		0.0					
			7	M-2A	Macrocore	28		0.0		
	+22.7	Tannish brown med. dense f-c SAND some f-m gravel tr silt [dry]	8							0.0
	+22.0	Brown f-c SAND, some brick, some f-c gravel, trace silt (dry)	9	M-2-B						0.0
			10		0.0					
			11	M-36A	Macrocore	36		0.0		
	+20.3	Gray coarse GRAVEL, some fine sand (dry)	12	M-36B						0.0
	+19.8	Brown f-c SAND, some f-c gravel, trace concrete, trace silt (dry)	13	M-36C						0.0
	+18.0	Gray m-f SAND, some coarse gravel (dry)	14	M-36D						0.0
	+17.0	Gray m-f SAND, some coarse gravel (dry)	15		0.0					
			16	M-37A	Macrocore	24		0.0		
	+15.4	Reddish gray f-m SAND, some f-c gravel, trace silt (dry)	17	M-37B						0.0
	+13.7	Brown fine SAND, trace silt (dry)	18							0.0
		19	M-37C	0.0						
		20		0.0						

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Project GO Broome Development			Project No. 100646801		
Location Broome Street, New York, NY			Elevation and Datum Approx el 32.5 -feet NAVD88		
Drilling Company AARCO Environmental Services, Corp.			Date Started 1/28/19		Date Finished 1/28/19
Drilling Equipment Geoprobe 6610 DT			Completion Depth 20 ft		Rock Depth ---
Size and Type of Bit ---			Number of Samples ---		Disturbed ---
Casing Diameter (in) 2-inch diameter by 5-foot long stainless steel			Casing Depth (ft) ---		Undisturbed 4
Casing Hammer ---			Weight (lbs) ---		Drop (in) ---
Sampler 2.25-inch diameter by 5-foot long acetate lined macrocore			Drilling Foreman Nick Turro		
Sampler Hammer ---			Weight (lbs) ---		Drop (in) ---
			Field Engineer Samuel Haines		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist B/Join		PID Reading (ppm)	
Fill	+32.5		0	M-1A	Macrocore	36		0.0	Started Drilling at 1/28/2019 10:54 AM. Sample LSB-10A taken 0.0-2.0' (VOC collected from 1.5'-2.0') (6-inch interval) at 1100	
	+31.7	Dark brown m-c GRAVEL, some medium sand (dry)[ASPHALT]	1	M-1B						0.0
	+30.6	Tannish brown m-c SAND, some f-m gravel, trace brick, trace silt (dry)	2	M-1C						0.0
		Tannish brown f-c SAND, some c-f gravel, trace concrete, trace brick, trace silt (dry)	3		0.0					
			4		0.0					
			5	M-2A	0.0					
	+27.5	Light brown f-c SAND, some f-m gravel, trace silt (dry)	6	M-2B	Macrocore	24		0.0		
	+26.5	Dark brown m-c SAND, some f-m gravel, brick, trace wood, silt [dry]	7							0.0
	+24.5	Orangish brown f-m SAND, trace silt [dry]	8	M-2C						0.0
			9		0.0					
		10	M-3A	Macrocore	36		0.0			
+22.5	Light brown f-c SAND, some f-m gravel, trace brick, trace silt (dry)	11						0.0		
		12	M-3B					0.0		
		13		0.0						
		14		0.0						
Native	+20.8	Light tannish brown f-c SAND, trace silt (dry)	15		Macrocore	48		0.0	Bottom of boring at 1/28/2019 1:39 PM. LSB-10B taken 18.0-20.0' (VOC collected 19.5'-20.0') (6-inch interval) at 1115	
			16							0.0
			17							0.0
			18	M-4	0.0					
			19		0.0					
	+17.5	Light tannish brown f-c SAND, trace silt (dry)	20		0.0					

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APPENDIX C

GROUNDWATER SAMPLING FIELD LOGS

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project: GO Broome Development	Site Location: Broome Street, New York, NY	Well No.: LMW-5	Date: 1/30/2019
Job Number: 100646801	Weather: 21F Clear Skies	Sampler(s): Sam Haines	
Initial DTW (ft): 28.10	Well Depth (ft): 35	Pump Depth (ft): 31.5	
Background PID (ppm): 0.10	Well PID (ppm): 0.1	Screen Interval (ft): 10	
Water Quality Meter: Horiba U-52	Water Quality Meter ID: G3D500YB	Well Diameter (in): 1	

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	COLOR?	ODOR?	NOTES
10:00	—	—	—	—	—	—	28.10	200	—	—	Begin Purging
10:10	11.24	6.92	-27.0	3.470	1000.0	1.20	28.10	200	tannish brown	no	
10:15	11.52	6.97	-36.0	3.460	1000.0	0.67	28.00	200	tannish brown	no	
10:20	11.81	6.98	-38.0	3.440	520.0	0.13	28.00	200	clear	no	
10:25	12.04	7.01	-50.0	3.450	130.0	0.00	28.00	200	clear	no	
10:30	12.11	7.03	-54.0	3.460	37.0	0.00	28.00	200	clear	no	
10:35	12.21	7.16	-39.0	3.430	0.0	0.00	28.00	200	clear	no	
10:40	12.31	7.15	-35.0	3.400	0.0	0.00	28.00	200	clear	no	
10:45	12.32	7.15	-29	3.36	0.0	0.00	28.00	200	clear	no	Begin Sampling
	+/- 3%	+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown				

Notes:
 Collected LMW-5 at 10:45
 Collected MW-DUP-1 at 1100

Sample Number:	LMW-5	Sample Time:	10:45am	Sample Analyses: VOCs, SVOCs, Pesticides, PCBs, Total Metals, Filtered Metals, Hexavalent Chromium
QA/QC Sample Number:	MW-DUP-1	QA/QC Sample Time:	11:00am	QA/QC Sample Analyses: VOCs, SVOCs, Pesticides, PCBs, Total Metals, Filtered Metals, Hexavalent Chromium



APPENDIX D

SOIL VAPOR FIELD LOGS

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: GO Broome Development 100646801
 Samplers: Sam Haines
 Date: 1/31/2019

Sample #	LSV-2	LSV-9	LSV-4	LSV-5	LSV-8
Location	LSB-2	LSB-9	LSB-4	LSB-5	LSB-8
Summa Canister ID	16152	17348	17351	15522	23995
Flow Controller ID	7088	Y1	3351	5628	5612
Sample Depth (b.g.s.)	20'	20'	20'	20'	20'
Additional Tubing Added	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)	0940	1004	1030	1110	1052
Purge Time (Stop)	0945	1009	1035	1115	1057
Total Purge Time (min)	5min	5min	5min	5min	5min
Purge Volume	1L	1L	1L	1L	1L
PID Test of Purge Air	195ppb	133ppb	699ppb	156ppb	233ppb
Initial Tracer Gas Results in sampling line	0.00%	0.00%	0.00%	0.00%	0.00%
Initial Tracer Gas Results in shroud	90.0%	90.0%	90.0%	90.5%	90.1%
Pressure Gauge - before sampling	-30" Hg	-26" Hg	-20" Hg	-27" Hg	-25.5" Hg
Sample Time (Start)	0948	1015	1041	1117	1100
Sample Time (Stop)	1148	1215	1218	1317	1300
Total Sample Time (min)	120	120	97	120	120
Pressure Gauge - after sampling	-7" Hg	-5.5" Hg	-2" Hg	-2" Hg	-1" Hg
Sample Volume	6L	6L	6L	6L	6L
Canister Pressure Went to Ambient Pressure?	YES NO	YES NO	YES NO	YES NO	YES NO
Final Tracer Gas Results in sampling line	0.00%	0.00%	0.00%	0.00%	0.00%
Final Tracer Gas Results in shroud	---	---	---	---	---
Associated Ambient Air Sample Number	NA	NA	NA	NA	NA
Weather 24 hours before and during sampling	1/30- 15F, Partly Cloudy -> Cloudy/Snow 1/31-5F Clear Skies				
General Comments					

APPENDIX E

LABORATORY DATA



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

Report Date: 02/06/2019
Client Project ID: 100646801
York Project (SDG) No.: 19A1155

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

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 January 28, 2019 and listed below. The project was identified as your project: **100646801**.

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>
19A1155-01	LSB-8A	Soil	01/28/2019	01/28/2019
19A1155-02	LSB-8B	Soil	01/28/2019	01/28/2019
19A1155-03	LSB-5A	Soil	01/28/2019	01/28/2019
19A1155-04	LSB-5B	Soil	01/28/2019	01/28/2019
19A1155-05	LSB-10A	Soil	01/28/2019	01/28/2019
19A1155-06	LSB-10B	Soil	01/28/2019	01/28/2019
19A1155-07	LSB-4A	Soil	01/28/2019	01/28/2019
19A1155-08	LSB-4B	Soil	01/28/2019	01/28/2019
19A1155-09	LSB-9A	Soil	01/28/2019	01/28/2019
19A1155-10	LSB-9B	Soil	01/28/2019	01/28/2019
19A1155-11	Trip Blank	Water	01/28/2019	01/28/2019

General Notes for York Project (SDG) No.: 19A1155

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/06/2019





Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19A1155	100646801	Soil	January 28, 2019 7:35 am	01/28/2019

Volatiles, 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	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 02:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 02:52	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 02:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 7:35 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 02:52	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
67-64-1	Acetone	0.0057	ICV-E, SCAL- E, J	mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 7:35 am

01/28/2019

Volatiles, 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
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 02:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 7:35 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 02:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 02:52	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %			76-130						

Semivolatiles, 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	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 7:35 am

01/28/2019

Semivolatiles, 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	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
208-96-8	Acenaphthylene	0.264	J	mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 7:35 am

01/28/2019

Semivolatiles, 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	0.932	1.86	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
120-12-7	Anthracene	0.357	J	mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
92-87-5	Benzidine	ND		mg/kg dry	0.932	1.86	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
56-55-3	Benzo(a)anthracene	1.00		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
50-32-8	Benzo(a)pyrene	1.07		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
205-99-2	Benzo(b)fluoranthene	0.871		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
191-24-2	Benzo(g,h,i)perylene	0.804		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
207-08-9	Benzo(k)fluoranthene	0.863		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.309	J	mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.465	0.930	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
86-74-8	Carbazole	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
218-01-9	Chrysene	1.07		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
53-70-3	Dibenzo(a,h)anthracene	0.275	J	mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19A1155

100646801

Soil

January 28, 2019 7:35 am

01/28/2019

Semivolatiles, 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	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
206-44-0	Fluoranthene	1.74		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
86-73-7	Fluorene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.789		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
78-59-1	Isophorone	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
85-01-8	Phenanthrene	1.38		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
108-95-2	Phenol	ND		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
129-00-0	Pyrene	1.27		mg/kg dry	0.233	0.465	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
110-86-1	Pyridine	ND		mg/kg dry	0.932	1.86	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:07	OW
	Surrogate Recoveries	Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	50.2 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	47.4 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	42.8 %		22-108							



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 7:35 am

01/28/2019

Semivolatiles, 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: SURR: 2-Fluorobiphenyl	55.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	66.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	51.2 %			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	8.97		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
50-29-3	4,4'-DDT	143		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
309-00-2	Aldrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
5103-71-9	alpha-Chlordane	7.60		ug/kg dry	1.84	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 17:29	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
57-74-9	Chlordane, total	83.7		ug/kg dry	36.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
60-57-1	Dieldrin	4.19		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 17:29	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
72-20-8	Endrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
5566-34-7	gamma-Chlordane	6.30		ug/kg dry	1.84	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 17:29	CM



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 7:35 am	<u>Date Received</u> 01/28/2019
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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	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.21	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
8001-35-2	Toxaphene	ND		ug/kg dry	93.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:29	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.1 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:46	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:46	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:46	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:46	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:46	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:46	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:46	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 20:46	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	82.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %	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	9950		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 7:35 am	<u>Date Received</u> 01/28/2019
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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	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-38-2	Arsenic	4.95		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-39-3	Barium	122		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-43-9	Cadmium	0.438		mg/kg dry	0.336	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-70-2	Calcium	64300		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-47-3	Chromium	24.9		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-48-4	Cobalt	12.1		mg/kg dry	0.448	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-50-8	Copper	60.8		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7439-89-6	Iron	19000		mg/kg dry	28.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7439-92-1	Lead	65.4		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7439-95-4	Magnesium	28000		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7439-96-5	Manganese	231		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-02-0	Nickel	27.4		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-09-7	Potassium	4290		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-22-4	Silver	ND		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-23-5	Sodium	236		mg/kg dry	56.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-62-2	Vanadium	35.8		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML
7440-66-6	Zinc	353		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:31	BML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-8A

York Sample ID: 19A1155-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1155, 100646801, Soil, January 28, 2019 7:35 am, 01/28/2019

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 7439-97-6 Mercury, 0.192, mg/kg dry, 0.0336, 1, EPA 7473, 02/05/2019 18:54, 02/05/2019 21:07, SY. Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP

Total Solids

Log-in Notes:

Sample Notes:

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, 89.3, %, 0.100, 1, SM 2540G, 02/01/2019 15:47, 02/04/2019 11:01, TJM. Certifications: CTDOH

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, 0.560, 1, EPA 7196A, 02/01/2019 10:02, 02/01/2019 16:37, MAC. Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP

Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1155, 100646801, Soil, January 28, 2019 8:05 am, 01/28/2019

Volatiles, 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: 630-20-6 1,1,1,2-Tetrachloroethane, 71-55-6 1,1,1-Trichloroethane, 79-34-5 1,1,2,2-Tetrachloroethane, 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 79-00-5 1,1,2-Trichloroethane, 75-34-3 1,1-Dichloroethane, 75-35-4 1,1-Dichloroethylene. All results are ND.



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:05 am

01/28/2019

Volatiles, 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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 03:20	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 03:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 03:20	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
67-64-1	Acetone	0.013	ICV-E, SCAL-E	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:05 am

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 03:20	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:05 am

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-09-2	Methylene chloride	0.0073	J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.028	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 03:20	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 03:20	SS
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.2 %		77-125							



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:05 am

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	98.9 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.8 %			76-130						

Semivolatiles, 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	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:05 am

01/28/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:05 am

01/28/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:05 am	<u>Date Received</u> 01/28/2019
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
108-95-2	Phenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 17:40	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	71.4 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	68.9 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.9 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	85.8 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	96.3 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.2 %	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	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19A1155	100646801	Soil	January 28, 2019 8:05 am	01/28/2019

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
309-00-2	Aldrin	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 17:44	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
57-74-9	Chlordane, total	ND		ug/kg dry	35.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 17:44	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
72-20-8	Endrin	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 17:44	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.97	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
8001-35-2	Toxaphene	ND		ug/kg dry	90.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:44	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	71.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	91.4 %	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
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: LSB-8B

York Sample ID: 19A1155-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19A1155	100646801	Soil	January 28, 2019 8:05 am	01/28/2019

12674-11-2	Aroclor 1016	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:59	TJD
11104-28-2	Aroclor 1221	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:59	TJD
11141-16-5	Aroclor 1232	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:59	TJD
53469-21-9	Aroclor 1242	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:59	TJD
12672-29-6	Aroclor 1248	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:59	TJD
11097-69-1	Aroclor 1254	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:59	TJD
11096-82-5	Aroclor 1260	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 20:59	TJD
1336-36-3	* Total PCBs	ND	mg/kg dry	0.0181	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 20:59	TJD

Surrogate Recoveries

	Result	Acceptance Range
877-09-8 <i>Surrogate: Tetrachloro-m-xylene</i>	82.4 %	30-140
2051-24-3 <i>Surrogate: Decachlorobiphenyl</i>	66.9 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5330		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-36-0	Antimony	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-39-3	Barium	44.2		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.327	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-70-2	Calcium	1660		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-47-3	Chromium	11.8		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-48-4	Cobalt	5.23		mg/kg dry	0.437	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-50-8	Copper	13.1		mg/kg dry	2.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7439-89-6	Iron	12400		mg/kg dry	27.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7439-92-1	Lead	4.30		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML



Sample Information

Client Sample ID: LSB-8B

York Sample ID: 19A1155-02

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:05 am	<u>Date Received</u> 01/28/2019
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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
7439-95-4	Magnesium	2380		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7439-96-5	Manganese	217		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-02-0	Nickel	15.4		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-09-7	Potassium	1290		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7782-49-2	Selenium	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-22-4	Silver	ND		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-23-5	Sodium	145		mg/kg dry	54.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-28-0	Thallium	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-62-2	Vanadium	15.4		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML
7440-66-6	Zinc	21.4		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:33	BML

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	0.0327	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 21:16	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.6		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:01	TJM

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	0.546	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/01/2019 10:02	02/01/2019 16:37	MAC



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:45 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:27	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:27	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 17:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:45 am

01/28/2019

Volatiles, 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	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:27	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
67-64-1	Acetone	0.018	CCV-E	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:45 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 17:27	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-09-2	Methylene chloride	0.0063	J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.025	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:45 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:27	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:27	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	99.3 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %			76-130						

Semivolatiles, 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	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:45 am	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
83-32-9	Acenaphthene	0.0714	J	mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
208-96-8	Acenaphthylene	0.613		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
62-53-3	Aniline	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:45 am

01/28/2019

Semivolatiles, 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	0.605		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
56-55-3	Benzo(a)anthracene	1.56		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
50-32-8	Benzo(a)pyrene	1.55		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
205-99-2	Benzo(b)fluoranthene	1.30		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
191-24-2	Benzo(g,h,i)perylene	1.31		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
207-08-9	Benzo(k)fluoranthene	1.37		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.303		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
86-74-8	Carbazole	0.169		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
218-01-9	Chrysene	1.75		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
53-70-3	Dibenzo(a,h)anthracene	0.479		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 8:45 am

01/28/2019

Semivolatiles, 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	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
206-44-0	Fluoranthene	3.03		mg/kg dry	0.115	0.230	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/05/2019 13:30	OW
86-73-7	Fluorene	0.101		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
193-39-5	Indeno(1,2,3-cd)pyrene	1.20		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
85-01-8	Phenanthrene	1.83		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
108-95-2	Phenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
129-00-0	Pyrene	2.90		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:13	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	52.0 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	54.5 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	48.2 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.0 %	21-113



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:45 am	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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: SURRE: 2,4,6-Tribromophenol	51.8 %			19-110						
1718-51-0	Surrogate: SURRE: Terphenyl-d14	79.8 %			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	13.3		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
72-55-9	4,4'-DDE	26.0		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
50-29-3	4,4'-DDT	157		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
309-00-2	Aldrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
5103-71-9	alpha-Chlordane	13.6		ug/kg dry	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 17:59	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
57-74-9	Chlordane, total	97.0		ug/kg dry	36.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
60-57-1	Dieldrin	6.79		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 17:59	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
72-20-8	Endrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
5566-34-7	gamma-Chlordane	9.71		ug/kg dry	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 17:59	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:45 am	<u>Date Received</u> 01/28/2019
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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	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.11	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
8001-35-2	Toxaphene	ND		ug/kg dry	92.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 17:59	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	74.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.9 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:13	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:13	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:13	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:13	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:13	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:13	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:13	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 21:13	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	54.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4850		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-36-0	Antimony	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

York Project (SDG) No.

Client Project ID

Matrix

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19A1155

100646801

Soil

January 28, 2019 8:45 am

01/28/2019

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	4.05		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-39-3	Barium	439		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-43-9	Cadmium	11.5		mg/kg dry	0.334	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-70-2	Calcium	68400		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-47-3	Chromium	15.2		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-48-4	Cobalt	6.24		mg/kg dry	0.445	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-50-8	Copper	30.2		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7439-89-6	Iron	16700		mg/kg dry	27.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7439-92-1	Lead	334		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7439-95-4	Magnesium	6920		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7439-96-5	Manganese	222		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-02-0	Nickel	17.3		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-09-7	Potassium	1130		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-22-4	Silver	ND		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-23-5	Sodium	260		mg/kg dry	55.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-28-0	Thallium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-62-2	Vanadium	16.1		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML
7440-66-6	Zinc	360		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:35	BML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-5A

York Sample ID: 19A1155-03

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 8:45 am	<u>Date Received</u> 01/28/2019
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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	0.225		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 21:24	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.9		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:01	TJM

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 Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/04/2019 08:37	02/04/2019 16:35	MAC

Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 9:15 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:16	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 9:15 am

01/28/2019

Volatiles, 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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:16	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 04:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:16	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 9:15 am

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 04:16	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 9:15 am

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.028	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:16	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:16	SS

Surrogate Recoveries	Result	Acceptance Range
17060-07-0 Surrogate: SURR: 1,2-Dichloroethane-d4	98.4 %	77-125
2037-26-5 Surrogate: SURR: Toluene-d8	99.6 %	85-120



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

York Project (SDG) No.

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Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 9:15 am

01/28/2019

Volatiles, 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. Row 1: 460-00-4, Surrogate: SURR: p-Bromofluorobenzene, 97.0 %, 76-130

Semivolatiles, 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 92-52-4, 95-94-3, 120-82-1, 95-50-1, 122-66-7, 541-73-1, 106-46-7, 58-90-2, 95-95-4, 88-06-2, 120-83-2, 105-67-9, 51-28-5, 121-14-2, 606-20-2, 91-58-7, 95-57-8, 91-57-6, 95-48-7, 88-74-4



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

York Project (SDG) No.

Client Project ID

Matrix

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19A1155

100646801

Soil

January 28, 2019 9:15 am

01/28/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
62-53-3	Aniline	ND		mg/kg dry	0.186	0.373	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

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Soil

January 28, 2019 9:15 am

01/28/2019

Semivolatiles, 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
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

York Project (SDG) No.

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Soil

January 28, 2019 9:15 am

01/28/2019

Semivolatiles, 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
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0466	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 18:46	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	75.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	68.3 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.1 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	113 %			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	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
309-00-2	Aldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 9:15 am	<u>Date Received</u> 01/28/2019
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 18:14	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
57-74-9	Chlordane, total	ND		ug/kg dry	36.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 18:14	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
72-20-8	Endrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 18:14	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.24	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
8001-35-2	Toxaphene	ND		ug/kg dry	93.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:14	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	75.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.9 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 9:15 am	<u>Date Received</u> 01/28/2019
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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	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:26	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:26	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:26	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:26	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:26	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:26	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:26	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 21:26	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	82.4 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	66.9 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4420		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-39-3	Barium	37.8		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-70-2	Calcium	1910		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-47-3	Chromium	10.8		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-48-4	Cobalt	6.01		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 9:15 am

01/28/2019

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	11.6		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7439-89-6	Iron	10400		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7439-92-1	Lead	3.69		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7439-95-4	Magnesium	2700		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7439-96-5	Manganese	384		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-02-0	Nickel	26.6		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-09-7	Potassium	1180		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-22-4	Silver	ND		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-23-5	Sodium	151		mg/kg dry	56.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-62-2	Vanadium	12.7		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML
7440-66-6	Zinc	20.0		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:37	BML

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	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 21:33	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:01	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-5B

York Sample ID: 19A1155-04

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 9:15 am	<u>Date Received</u> 01/28/2019
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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	0.564	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/04/2019 08:37	02/04/2019 16:35	MAC

Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:00 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:45	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 04:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:00 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:45	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
67-64-1	Acetone	0.0054	SCAL-E, ICV-E, J	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:00 am

01/28/2019

Volatiles, 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
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 04:45	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:00 am

01/28/2019

Volatiles, 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
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.026	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
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	02/01/2019 12:30	02/02/2019 04:45	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 04:45	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 04:45	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.3 %
2037-26-5	Surrogate: SURRE: Toluene-d8	106 %
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	120 %

Semivolatiles, 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	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

York Project (SDG) No.

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19A1155

100646801

Soil

January 28, 2019 11:00 am

01/28/2019

Semivolatiles, 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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

York Project (SDG) No.

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19A1155

100646801

Soil

January 28, 2019 11:00 am

01/28/2019

Semivolatiles, 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
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
208-96-8	Acenaphthylene	0.0838	J	mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
120-12-7	Anthracene	0.0933		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
56-55-3	Benzo(a)anthracene	0.365		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
50-32-8	Benzo(a)pyrene	0.385		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
205-99-2	Benzo(b)fluoranthene	0.323		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
191-24-2	Benzo(g,h,i)perylene	0.305		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
207-08-9	Benzo(k)fluoranthene	0.317		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW



Sample Information

Client Sample ID: LSB-10A

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York Project (SDG) No.

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19A1155

100646801

Soil

January 28, 2019 11:00 am

01/28/2019

Semivolatiles, 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
117-81-7	Bis(2-ethylhexyl)phthalate	0.0683	J	mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
218-01-9	Chrysene	0.398		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
53-70-3	Dibenzo(a,h)anthracene	0.0823	J	mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
206-44-0	Fluoranthene	0.644		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.305		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:00 am

01/28/2019

Semivolatiles, 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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
85-01-8	Phenanthrene	0.309		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
108-95-2	Phenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
129-00-0	Pyrene	0.658		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:18	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	47.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	48.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	40.7 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.1 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.3 %			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	9.38		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
50-29-3	4,4'-DDT	98.7		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
309-00-2	Aldrin	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
5103-71-9	alpha-Chlordane	12.2		ug/kg dry	1.81	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 18:29	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
57-74-9	Chlordane, total	68.1		ug/kg dry	36.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
60-57-1	Dieldrin	4.92		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:00 am	<u>Date Received</u> 01/28/2019
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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
959-98-8	Endosulfan I	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 18:29	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
72-20-8	Endrin	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
5566-34-7	gamma-Chlordane	8.82		ug/kg dry	1.81	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 18:29	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM
8001-35-2	Toxaphene	ND		ug/kg dry	91.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:29	CM

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	75.3 %
877-09-8	Surrogate: Tetrachloro-m-xylene	61.7 %

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	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:40	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:40	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:40	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:40	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:40	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:40	TJD



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:00 am	<u>Date Received</u> 01/28/2019
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:40	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 21:40	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.1 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	61.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7370		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-36-0	Antimony	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-38-2	Arsenic	6.74		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-39-3	Barium	215		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-43-9	Cadmium	0.402		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-70-2	Calcium	52700		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-47-3	Chromium	15.1		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-48-4	Cobalt	6.46		mg/kg dry	0.442	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-50-8	Copper	30.3		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7439-89-6	Iron	13800		mg/kg dry	27.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7439-92-1	Lead	283		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7439-95-4	Magnesium	5970		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7439-96-5	Manganese	199		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-02-0	Nickel	16.8		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML



Sample Information

Client Sample ID: LSB-10A

York Sample ID: 19A1155-05

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:00 am	<u>Date Received</u> 01/28/2019
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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
7440-09-7	Potassium	1580		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-23-5	Sodium	365		mg/kg dry	55.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-62-2	Vanadium	25.5		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML
7440-66-6	Zinc	192		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:39	BML

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	0.115		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 21:42	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.4		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:01	TJM

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	0.553	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/04/2019 08:37	02/04/2019 16:35	MAC



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:15 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 05:13	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 05:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:15 am

01/28/2019

Volatiles, 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	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 05:13	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
67-64-1	Acetone	0.013	SCAL-E, ICV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:15 am

01/28/2019

Volatiles, 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	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-09-2	Methylene chloride	0.0073	J	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.026	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:15 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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
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	02/01/2019 12:30	02/02/2019 05:13	SS
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	02/01/2019 12:30	02/02/2019 05:13	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 05:13	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 05:13	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	98.6 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	98.2 %			76-130						

Semivolatiles, 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	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:15 am

01/28/2019

Semivolatiles, 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	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
62-53-3	Aniline	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:15 am

01/28/2019

Semivolatiles, 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	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:15 am	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
108-95-2	Phenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 19:51	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	74.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	65.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	95.4 %	19-110								



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1155, 100646801, Soil, January 28, 2019 11:15 am, 01/28/2019

Semivolatiles, 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. Row 1: 1718-51-0, Surrogate: SURR: Terphenyl-d14, 91.3 %, 24-116

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. Multiple rows listing various pesticides and their results (mostly ND).



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:15 am	<u>Date Received</u> 01/28/2019
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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	9.22	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:44	CM
8001-35-2	Toxaphene	ND		ug/kg dry	93.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:44	CM
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	83.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	79.7 %			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	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:53	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:53	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:53	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:53	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:53	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:53	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 21:53	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 21:53	TJD
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	82.9 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	64.0 %			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	4230		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML



Sample Information

Client Sample ID: LSB-10B

York Sample ID: 19A1155-06

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:15 am	<u>Date Received</u> 01/28/2019
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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	37.2		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-70-2	Calcium	1280		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-47-3	Chromium	9.65		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-48-4	Cobalt	4.40		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-50-8	Copper	9.23		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7439-89-6	Iron	9550		mg/kg dry	28.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7439-92-1	Lead	3.35		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7439-95-4	Magnesium	1840		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7439-96-5	Manganese	220		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-02-0	Nickel	16.8		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-09-7	Potassium	967		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-23-5	Sodium	105		mg/kg dry	56.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-62-2	Vanadium	10.5		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML
7440-66-6	Zinc	16.6		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:42	BML

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: LSB-10B

York Sample ID: 19A1155-06

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:15 am	<u>Date Received</u> 01/28/2019
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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	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 21:51	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.9		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:01	TJM

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 Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/04/2019 08:37	02/04/2019 16:35	MAC

Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:53	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:40 am

01/28/2019

Volatiles, 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
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:53	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 17:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.063	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:53	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:40 am

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 17:53	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 11:40 am

01/28/2019

Volatiles, 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	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-09-2	Methylene chloride	0.0097	J	mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.032	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 17:53	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0095	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 17:53	SS

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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Volatiles, 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
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	98.8 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	103 %			76-130						

Semivolatiles, 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	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
83-32-9	Acenaphthene	0.0506	J	mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
208-96-8	Acenaphthylene	0.116		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
62-53-3	Aniline	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
120-12-7	Anthracene	0.190		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
56-55-3	Benzo(a)anthracene	0.666		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
50-32-8	Benzo(a)pyrene	0.583		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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
205-99-2	Benzo(b)fluoranthene	0.517		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
191-24-2	Benzo(g,h,i)perylene	0.399		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
207-08-9	Benzo(k)fluoranthene	0.518		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.0784	J	mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
218-01-9	Chrysene	0.691		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
53-70-3	Dibenzo(a,h)anthracene	0.171		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
206-44-0	Fluoranthene	1.45		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.393		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
85-01-8	Phenanthrene	0.512		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
129-00-0	Pyrene	1.26		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 21:30	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	44.0 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	59.4 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.1 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.4 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	5.36 %	S-09	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.1 %		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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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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
50-29-3	4,4'-DDT	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
309-00-2	Aldrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
5103-71-9	alpha-Chlordane	2.38		ug/kg dry	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 18:59	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
57-74-9	Chlordane, total	ND		ug/kg dry	36.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 18:59	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
72-20-8	Endrin	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
5566-34-7	gamma-Chlordane	2.68		ug/kg dry	1.82	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 18:59	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.82	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.10	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
8001-35-2	Toxaphene	ND		ug/kg dry	92.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 18:59	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	60.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.0 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:07	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:07	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:07	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:07	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:07	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:07	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:07	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 22:07	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	62.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	52.9 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8190		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-38-2	Arsenic	4.78		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-39-3	Barium	64.4		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-43-9	Cadmium	0.368		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-70-2	Calcium	65700		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-47-3	Chromium	17.1		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-48-4	Cobalt	6.00		mg/kg dry	0.443	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-50-8	Copper	25.9		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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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
7439-89-6	Iron	11300		mg/kg dry	27.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7439-92-1	Lead	30.4		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7439-95-4	Magnesium	9570		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7439-96-5	Manganese	178		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-02-0	Nickel	13.1		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-09-7	Potassium	1790		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-23-5	Sodium	326		mg/kg dry	55.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-62-2	Vanadium	26.5		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML
7440-66-6	Zinc	47.9		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:44	BML

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	0.0408		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 21:59	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.4		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:01	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-4A

York Sample ID: 19A1155-07

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 11:40 am	<u>Date Received</u> 01/28/2019
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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	1.37		mg/kg dry	0.553	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/04/2019 08:37	02/04/2019 16:35	MAC

Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 12:00 pm	<u>Date Received</u> 01/28/2019
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Volatiles, 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	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:09	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:09	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 06:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 12:00 pm

01/28/2019

Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
67-64-1	Acetone	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 12:00 pm

01/28/2019

Volatiles, 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
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 06:09	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 12:00 pm	<u>Date Received</u> 01/28/2019
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Volatiles, 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
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.030	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
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	02/01/2019 12:30	02/02/2019 06:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0090	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:09	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.9 %
2037-26-5	Surrogate: SURRE: Toluene-d8	99.5 %
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	100 %

Semivolatiles, 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	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 12:00 pm

01/28/2019

Semivolatiles, 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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 12:00 pm

01/28/2019

Semivolatiles, 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
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 12:00 pm

01/28/2019

Semivolatiles, 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
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 12:00 pm	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:02	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	71.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	65.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	59.4 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.2 %			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	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
309-00-2	Aldrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 19:14	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
57-74-9	Chlordane, total	ND		ug/kg dry	35.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 12:00 pm	<u>Date Received</u> 01/28/2019
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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
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 19:14	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
72-20-8	Endrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 19:14	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.98	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
8001-35-2	Toxaphene	ND		ug/kg dry	90.9	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:14	CM
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	77.5 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	78.1 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:20	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:20	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:20	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:20	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:20	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:20	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:20	TJD



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19A1155

100646801

Soil

January 28, 2019 12:00 pm

01/28/2019

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
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 22:20	TJD
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	82.0 %					30-140			
2051-24-3	Surrogate: Decachlorobiphenyl	69.9 %					30-140			

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3630		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-36-0	Antimony	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-38-2	Arsenic	1.79		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-39-3	Barium	55.2		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.329	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-70-2	Calcium	6290		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-47-3	Chromium	9.83		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-48-4	Cobalt	6.07		mg/kg dry	0.438	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-50-8	Copper	8.67		mg/kg dry	2.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7439-89-6	Iron	9530		mg/kg dry	27.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7439-92-1	Lead	3.43		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7439-95-4	Magnesium	5430		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7439-96-5	Manganese	593		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-02-0	Nickel	41.0		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-09-7	Potassium	1210		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML



Sample Information

Client Sample ID: LSB-4B

York Sample ID: 19A1155-08

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 12:00 pm	<u>Date Received</u> 01/28/2019
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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
7782-49-2	Selenium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-23-5	Sodium	130		mg/kg dry	54.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-28-0	Thallium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-62-2	Vanadium	11.7		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML
7440-66-6	Zinc	15.4		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:46	BML

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	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 22:08	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.3		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:01	TJM

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	0.548	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/04/2019 08:37	02/04/2019 16:35	MAC

Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:30 pm	<u>Date Received</u> 01/28/2019
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Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 2:30 pm

01/28/2019

Volatiles, 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	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:38	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:38	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 06:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS



Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 2:30 pm

01/28/2019

Volatiles, 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	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:38	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
67-64-1	Acetone	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS



Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 2:30 pm

01/28/2019

Volatiles, 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	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 06:38	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-09-2	Methylene chloride	0.010	J	mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.029	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS



Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

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100646801

Soil

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Volatiles, 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
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 06:38	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0087	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 06:38	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	107 %			76-130						

Semivolatiles, 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	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW



Sample Information

Client Sample ID: LSB-9A

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100646801

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Semivolatiles, 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	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
208-96-8	Acenaphthylene	0.190		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
62-53-3	Aniline	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW



Sample Information

Client Sample ID: LSB-9A

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York Project (SDG) No.

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100646801

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01/28/2019

Semivolatiles, 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	0.234		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
56-55-3	Benzo(a)anthracene	0.781		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
50-32-8	Benzo(a)pyrene	0.876		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
205-99-2	Benzo(b)fluoranthene	0.738		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
191-24-2	Benzo(g,h,i)perylene	0.751		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
207-08-9	Benzo(k)fluoranthene	0.710		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0942	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
86-74-8	Carbazole	0.0595	J	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
218-01-9	Chrysene	0.835		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
53-70-3	Dibenzo(a,b)anthracene	0.266		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW



Sample Information

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100646801

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01/28/2019

Semivolatiles, 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	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
206-44-0	Fluoranthene	1.27		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
86-73-7	Fluorene	0.0482	J	mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.710		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
85-01-8	Phenanthrene	0.615		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
108-95-2	Phenol	ND		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
129-00-0	Pyrene	1.36		mg/kg dry	0.0472	0.0942	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 22:35	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.9 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	51.3 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	44.7 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.5 %	21-113



Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:30 pm	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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: SURR: 2,4,6-Tribromophenol	76.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.5 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	5.67		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
72-55-9	4,4'-DDE	5.49		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
50-29-3	4,4'-DDT	42.3		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
309-00-2	Aldrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
5103-71-9	alpha-Chlordane	7.83		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 19:29	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
57-74-9	Chlordane, total	39.3		ug/kg dry	37.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
60-57-1	Dieldrin	3.58		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/04/2019 07:55	02/05/2019 19:29	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
72-20-8	Endrin	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
5566-34-7	gamma-Chlordane	6.18		ug/kg dry	1.85	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/04/2019 07:55	02/05/2019 19:29	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM



Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:30 pm	<u>Date Received</u> 01/28/2019
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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	1.85	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.25	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
8001-35-2	Toxaphene	ND		ug/kg dry	93.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 19:29	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	68.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.1 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:34	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:34	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:34	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:34	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:34	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:34	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/04/2019 07:55	02/05/2019 22:34	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	02/04/2019 07:55	02/05/2019 22:34	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.6 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	58.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8720		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-36-0	Antimony	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML



Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 2:30 pm

01/28/2019

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	5.88		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-39-3	Barium	323		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-43-9	Cadmium	0.538		mg/kg dry	0.340	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-70-2	Calcium	70700		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-47-3	Chromium	20.4		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-48-4	Cobalt	7.22		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-50-8	Copper	32.0		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7439-89-6	Iron	13800		mg/kg dry	28.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7439-92-1	Lead	178		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7439-95-4	Magnesium	12900		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7439-96-5	Manganese	235		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-02-0	Nickel	18.4		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-09-7	Potassium	2140		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-22-4	Silver	ND		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-23-5	Sodium	333		mg/kg dry	56.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-62-2	Vanadium	32.6		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML
7440-66-6	Zinc	217		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:53	BML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-9A

York Sample ID: 19A1155-09

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1155, 100646801, Soil, January 28, 2019 2:30 pm, 01/28/2019

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 7439-97-6 Mercury, 0.202, mg/kg dry, 0.0340, 1, EPA 7473, 02/05/2019 18:54, 02/05/2019 22:17, SY. Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP

Total Solids

Log-in Notes:

Sample Notes:

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, 88.3, %, 0.100, 1, SM 2540G, 02/01/2019 15:47, 02/04/2019 11:01, TJM. Certifications: CTDOH

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, 0.566, 1, EPA 7196A, 02/04/2019 08:37, 02/04/2019 16:35, MAC. Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP

Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1155, 100646801, Soil, January 28, 2019 2:45 pm, 01/28/2019

Volatiles, 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: 630-20-6 1,1,1,2-Tetrachloroethane, 71-55-6 1,1,1-Trichloroethane, 79-34-5 1,1,2,2-Tetrachloroethane, 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 79-00-5 1,1,2-Trichloroethane, 75-34-3 1,1-Dichloroethane, 75-35-4 1,1-Dichloroethylene. All results are ND.



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 2:45 pm

01/28/2019

Volatiles, 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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 07:06	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 07:06	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
67-64-1	Acetone	0.016	SCAL-E, ICV-E	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19A1155

100646801

Soil

January 28, 2019 2:45 pm

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C Certifications:	02/01/2019 12:30	02/02/2019 07:06	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

York Project (SDG) No.

Client Project ID

Matrix

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19A1155

100646801

Soil

January 28, 2019 2:45 pm

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
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	02/01/2019 12:30	02/02/2019 07:06	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/01/2019 12:30	02/02/2019 07:06	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/01/2019 12:30	02/02/2019 07:06	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 Surrogate: SURR: 1,2-Dichloroethane-d4

97.7 %

77-125

2037-26-5 Surrogate: SURR: Toluene-d8

104 %

85-120



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

York Project (SDG) No.

Client Project ID

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19A1155

100646801

Soil

January 28, 2019 2:45 pm

01/28/2019

Volatiles, 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
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %			76-130						

Semivolatiles, 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	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

York Project (SDG) No.

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19A1155

100646801

Soil

January 28, 2019 2:45 pm

01/28/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Soil

January 28, 2019 2:45 pm

01/28/2019

Semivolatiles, 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
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
85-68-7	Benzy l butyl phthalate	0.0642	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.0717	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:45 pm	<u>Date Received</u> 01/28/2019
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Semivolatiles, 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
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 07:47	02/04/2019 23:08	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	50.4 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	50.9 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	43.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	86.1 %			19-110						
1718-51-0	Surrogate: SURR: 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	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
50-29-3	4,4'-DDT	14.7		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
309-00-2	Aldrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:45 pm	<u>Date Received</u> 01/28/2019
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/01/2019 14:09	02/04/2019 14:31	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
57-74-9	Chlordane, total	ND		ug/kg dry	36.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/01/2019 14:09	02/04/2019 14:31	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
72-20-8	Endrin	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/01/2019 14:09	02/04/2019 14:31	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.21	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
8001-35-2	Toxaphene	ND		ug/kg dry	93.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/01/2019 14:09	02/04/2019 14:31	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	70.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	90.6 %	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
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Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:45 pm	<u>Date Received</u> 01/28/2019
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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	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2019 14:09	02/05/2019 00:05	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2019 14:09	02/05/2019 00:05	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2019 14:09	02/05/2019 00:05	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2019 14:09	02/05/2019 00:05	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2019 14:09	02/05/2019 00:05	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2019 14:09	02/05/2019 00:05	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/01/2019 14:09	02/05/2019 00:05	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	02/01/2019 14:09	02/05/2019 00:05	TJD

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	84.4 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	54.4 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10800		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-38-2	Arsenic	4.29		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-39-3	Barium	133		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-43-9	Cadmium	0.640		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-70-2	Calcium	37200		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-47-3	Chromium	23.1		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-48-4	Cobalt	12.2		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:45 pm	<u>Date Received</u> 01/28/2019
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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	46.4		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7439-89-6	Iron	17300		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7439-92-1	Lead	123		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7439-95-4	Magnesium	4750		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7439-96-5	Manganese	289		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-02-0	Nickel	41.7		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-09-7	Potassium	3560		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-22-4	Silver	ND		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-23-5	Sodium	312		mg/kg dry	56.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-62-2	Vanadium	24.8		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML
7440-66-6	Zinc	273		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/30/2019 16:38	02/04/2019 12:55	BML

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	0.657		mg/kg dry	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/05/2019 18:54	02/05/2019 22:26	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	1	SM 2540G Certifications: CTDOH	02/01/2019 15:47	02/04/2019 11:04	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-9B

York Sample ID: 19A1155-10

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 28, 2019 2:45 pm	<u>Date Received</u> 01/28/2019
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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	0.564	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/04/2019 08:37	02/04/2019 16:35	MAC

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19A1155-11

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 28, 2019 3:00 pm	<u>Date Received</u> 01/28/2019
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Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2019 07:30	01/31/2019 13:03	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/31/2019 07:30	01/31/2019 13:03	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19A1155-11

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 28, 2019 3:00 pm	<u>Date Received</u> 01/28/2019
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Volatiles, 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
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19A1155-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1155

100646801

Water

January 28, 2019 3:00 pm

01/28/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19A1155-11

<u>York Project (SDG) No.</u> 19A1155	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 28, 2019 3:00 pm	<u>Date Received</u> 01/28/2019
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/31/2019 07:30	01/31/2019 13:03	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	01/31/2019 07:30	01/31/2019 13:03	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	98.8 %	70-130
2037-26-5	Surrogate: SURRE: Toluene-d8	97.7 %	70-130
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	107 %	70-130



Analytical Batch Summary

Batch ID: BA91410 **Preparation Method:** EPA 3050B **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-01	LSB-8A	01/30/19
19A1155-02	LSB-8B	01/30/19
19A1155-03	LSB-5A	01/30/19
19A1155-04	LSB-5B	01/30/19
19A1155-05	LSB-10A	01/30/19
19A1155-06	LSB-10B	01/30/19
19A1155-07	LSB-4A	01/30/19
19A1155-08	LSB-4B	01/30/19
19A1155-09	LSB-9A	01/30/19
19A1155-10	LSB-9B	01/30/19
BA91410-BLK1	Blank	01/30/19
BA91410-SRM1	Reference	01/30/19

Batch ID: BA91446 **Preparation Method:** EPA 5030B **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-11	Trip Blank	01/31/19
BA91446-BLK1	Blank	01/31/19
BA91446-BS1	LCS	01/31/19
BA91446-BSD1	LCS Dup	01/31/19

Batch ID: BB90024 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAC

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-01	LSB-8A	02/01/19
19A1155-02	LSB-8B	02/01/19
BB90024-BLK1	Blank	02/01/19
BB90024-DUP1	Duplicate	02/01/19
BB90024-MS1	Matrix Spike	02/01/19
BB90024-SRM1	Reference	02/01/19

Batch ID: BB90048 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-10	LSB-9B	02/01/19
19A1155-10	LSB-9B	02/01/19
BB90048-BLK1	Blank	02/01/19
BB90048-BLK2	Blank	02/01/19
BB90048-BS1	LCS	02/01/19
BB90048-BS2	LCS	02/01/19

Batch ID: BB90050 **Preparation Method:** EPA 5035A **Prepared By:** KNK



YORK Sample ID	Client Sample ID	Preparation Date
19A1155-01	LSB-8A	02/01/19
19A1155-02	LSB-8B	02/01/19
19A1155-04	LSB-5B	02/01/19
19A1155-05	LSB-10A	02/01/19
19A1155-06	LSB-10B	02/01/19
19A1155-08	LSB-4B	02/01/19
19A1155-09	LSB-9A	02/01/19
19A1155-10	LSB-9B	02/01/19
BB90050-BLK1	Blank	02/01/19
BB90050-BS1	LCS	02/01/19
BB90050-BSD1	LCS Dup	02/01/19

Batch ID: BB90058 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-01	LSB-8A	02/01/19
19A1155-02	LSB-8B	02/01/19
19A1155-03	LSB-5A	02/01/19
19A1155-04	LSB-5B	02/01/19
19A1155-05	LSB-10A	02/01/19
19A1155-06	LSB-10B	02/01/19
19A1155-07	LSB-4A	02/01/19
19A1155-08	LSB-4B	02/01/19
19A1155-09	LSB-9A	02/01/19
BB90058-DUP1	Duplicate	02/01/19

Batch ID: BB90059 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-10	LSB-9B	02/01/19

Batch ID: BB90076 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-01	LSB-8A	02/04/19
19A1155-02	LSB-8B	02/04/19
19A1155-03	LSB-5A	02/04/19
19A1155-03RE1	LSB-5A	02/04/19
19A1155-04	LSB-5B	02/04/19
19A1155-05	LSB-10A	02/04/19
19A1155-06	LSB-10B	02/04/19
19A1155-08	LSB-4B	02/04/19
19A1155-09	LSB-9A	02/04/19
19A1155-10	LSB-9B	02/04/19
BB90076-BLK1	Blank	02/04/19
BB90076-BS1	LCS	02/04/19
BB90076-MS1	Matrix Spike	02/04/19
BB90076-MSD1	Matrix Spike Dup	02/04/19



Batch ID: BB90078

Preparation Method: EPA 3550C

Prepared By: SGM

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-01	LSB-8A	02/04/19
19A1155-01	LSB-8A	02/04/19
19A1155-02	LSB-8B	02/04/19
19A1155-02	LSB-8B	02/04/19
19A1155-03	LSB-5A	02/04/19
19A1155-03	LSB-5A	02/04/19
19A1155-04	LSB-5B	02/04/19
19A1155-04	LSB-5B	02/04/19
19A1155-05	LSB-10A	02/04/19
19A1155-05	LSB-10A	02/04/19
19A1155-06	LSB-10B	02/04/19
19A1155-06	LSB-10B	02/04/19
19A1155-07	LSB-4A	02/04/19
19A1155-07	LSB-4A	02/04/19
19A1155-08	LSB-4B	02/04/19
19A1155-08	LSB-4B	02/04/19
19A1155-09	LSB-9A	02/04/19
19A1155-09	LSB-9A	02/04/19
BB90078-BLK1	Blank	02/04/19
BB90078-BS1	LCS	02/04/19
BB90078-MS2	Matrix Spike	02/04/19
BB90078-MSD2	Matrix Spike Dup	02/04/19

Batch ID: BB90084

Preparation Method: EPA SW846-3060

Prepared By: MAC

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-03	LSB-5A	02/04/19
19A1155-04	LSB-5B	02/04/19
19A1155-05	LSB-10A	02/04/19
19A1155-06	LSB-10B	02/04/19
19A1155-07	LSB-4A	02/04/19
19A1155-08	LSB-4B	02/04/19
19A1155-09	LSB-9A	02/04/19
19A1155-10	LSB-9B	02/04/19
BB90084-BLK1	Blank	02/04/19
BB90084-SRM1	Reference	02/04/19

Batch ID: BB90089

Preparation Method: EPA 5035A

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-03	LSB-5A	02/04/19
19A1155-07	LSB-4A	02/04/19
BB90089-BLK2	Blank	02/04/19
BB90089-BS1	LCS	02/04/19
BB90089-BSD1	LCS Dup	02/04/19



Batch ID: BB90224

Preparation Method: EPA 3550C

Prepared By: MAT

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-07	LSB-4A	02/04/19
BB90224-BLK1	Blank	02/05/19
BB90224-BS1	LCS	02/05/19

Batch ID: BB90244

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1155-01	LSB-8A	02/05/19
19A1155-02	LSB-8B	02/05/19
19A1155-03	LSB-5A	02/05/19
19A1155-04	LSB-5B	02/05/19
19A1155-05	LSB-10A	02/05/19
19A1155-06	LSB-10B	02/05/19
19A1155-07	LSB-4A	02/05/19
19A1155-08	LSB-4B	02/05/19
19A1155-09	LSB-9A	02/05/19
19A1155-10	LSB-9B	02/05/19
BB90244-BLK1	Blank	02/05/19
BB90244-SRM1	Reference	02/05/19



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 BA91446 - EPA 5030B

Blank (BA91446-BLK1)

Prepared & Analyzed: 01/31/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	2.00	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA91446 - EPA 5030B

Blank (BA91446-BLK1)

Prepared & Analyzed: 01/31/2019

Ethyl Benzene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.50	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	10.5		"	10.0		105	70-130				
Surrogate: SURRE: Toluene-d8	9.19		"	10.0		91.9	70-130				
Surrogate: SURRE: p-Bromofluorobenzene	9.42		"	10.0		94.2	70-130				

LCS (BA91446-BS1)

Prepared & Analyzed: 01/31/2019

1,1,1,2-Tetrachloroethane	9.86		ug/L	10.0		98.6	82-126			30	
1,1,1-Trichloroethane	11.0		"	10.0		110	70-130			20	
1,1,2,2-Tetrachloroethane	8.45		"	10.0		84.5	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	70-130			20	
1,1,2-Trichloroethane	8.61		"	10.0		86.1	70-130			20	
1,1-Dichloroethane	9.82		"	10.0		98.2	70-130			20	
1,1-Dichloroethylene	9.86		"	10.0		98.6	70-130			20	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133			30	
1,2,3-Trichlorobenzene	9.29		"	10.0		92.9	70-130			20	
1,2,3-Trichloropropane	8.79		"	10.0		87.9	77-128			30	
1,2,4,5-Tetramethylbenzene	9.21		"	10.0		92.1	85-140			30	
1,2,4-Trichlorobenzene	8.91		"	10.0		89.1	70-130			20	
1,2,4-Trimethylbenzene	8.90		"	10.0		89.0	82-132			20	
1,2-Dibromo-3-chloropropane	8.38		"	10.0		83.8	40-160			20	
1,2-Dibromoethane	9.05		"	10.0		90.5	70-130			20	
1,2-Dichlorobenzene	9.07		"	10.0		90.7	70-130			20	
1,2-Dichloroethane	10.1		"	10.0		101	70-130			20	
1,2-Dichloropropane	8.12		"	10.0		81.2	70-130			20	
1,3,5-Trimethylbenzene	9.02		"	10.0		90.2	80-131			30	
1,3-Dichlorobenzene	9.03		"	10.0		90.3	70-130			20	
1,3-Dichloropropane	8.48		"	10.0		84.8	81-125			30	
1,4-Dichlorobenzene	9.50		"	10.0		95.0	70-130			20	
1,4-Dioxane	205		"	210		97.8	40-160			20	



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 BA91446 - EPA 5030B

LCS (BA91446-BS1)

Prepared & Analyzed: 01/31/2019

2,2-Dichloropropane	11.0		ug/L	10.0		110	56-150			30	
2-Butanone	9.67		"	10.0		96.7	40-160			20	
2-Chlorotoluene	8.82		"	10.0		88.2	79-130			30	
2-Hexanone	8.22		"	10.0		82.2	40-160			20	
4-Chlorotoluene	8.61		"	10.0		86.1	79-128			30	
4-Methyl-2-pentanone	8.11		"	10.0		81.1	40-160			20	
Acetone	7.74		"	10.0		77.4	40-160			20	
Acrolein	8.41		"	10.0		84.1	10-153			30	
Acrylonitrile	9.08		"	10.0		90.8	51-150			30	
Benzene	10.2		"	10.0		102	70-130			20	
Bromobenzene	8.21		"	10.0		82.1	78-129			30	
Bromochloromethane	9.52		"	10.0		95.2	70-130			20	
Bromodichloromethane	9.04		"	10.0		90.4	70-130			20	
Bromoform	9.67		"	10.0		96.7	70-130			20	
Bromomethane	6.47		"	10.0		64.7	40-160			20	
Carbon disulfide	10.3		"	10.0		103	40-160			20	
Carbon tetrachloride	11.9		"	10.0		119	70-130			20	
Chlorobenzene	9.33		"	10.0		93.3	70-130			20	
Chloroethane	10.6		"	10.0		106	40-160			20	
Chloroform	10.2		"	10.0		102	70-130			20	
Chloromethane	8.61		"	10.0		86.1	40-160			20	
cis-1,2-Dichloroethylene	9.83		"	10.0		98.3	70-130			20	
cis-1,3-Dichloropropylene	8.53		"	10.0		85.3	70-130			20	
Cyclohexane	10.9		"	10.0		109	70-130			20	
Dibromochloromethane	9.51		"	10.0		95.1	70-130			20	
Dibromomethane	8.83		"	10.0		88.3	72-134			30	
Dichlorodifluoromethane	8.95		"	10.0		89.5	40-160			20	
Ethyl Benzene	9.50		"	10.0		95.0	70-130			20	
Isopropylbenzene	8.94		"	10.0		89.4	70-130			20	
Methyl acetate	9.22		"	10.0		92.2	70-130			20	
Methyl tert-butyl ether (MTBE)	9.67		"	10.0		96.7	70-130			20	
Methylcyclohexane	9.84		"	10.0		98.4	70-130			20	
Methylene chloride	9.47		"	10.0		94.7	70-130			20	
n-Butylbenzene	9.15		"	10.0		91.5	79-132			30	
n-Propylbenzene	8.88		"	10.0		88.8	78-133			30	
o-Xylene	9.44		"	10.0		94.4	70-130			20	
p- & m- Xylenes	19.3		"	20.0		96.4	70-130			20	
p-Isopropyltoluene	9.56		"	10.0		95.6	81-136			30	
sec-Butylbenzene	9.78		"	10.0		97.8	79-137			30	
Styrene	9.40		"	10.0		94.0	70-130			20	
tert-Butyl alcohol (TBA)	47.4		"	50.0		94.7	25-162			30	
tert-Butylbenzene	9.30		"	10.0		93.0	77-138			30	
Tetrachloroethylene	7.08		"	10.0		70.8	70-130			20	
Toluene	9.24		"	10.0		92.4	70-130			20	
trans-1,2-Dichloroethylene	9.66		"	10.0		96.6	70-130			20	
trans-1,3-Dichloropropylene	8.51		"	10.0		85.1	70-130			20	
Trichloroethylene	9.05		"	10.0		90.5	70-130			20	
Trichlorofluoromethane	12.6		"	10.0		126	40-160			20	
Vinyl Chloride	9.51		"	10.0		95.1	70-130			20	
Surrogate: Surr: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130				
Surrogate: Surr: Toluene-d8	9.26		"	10.0		92.6	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA91446 - EPA 5030B											
LCS (BA91446-BS1)											
Prepared & Analyzed: 01/31/2019											
Surrogate: SURR: p-Bromofluorobenzene	9.56		ug/L	10.0		95.6	70-130				
LCS Dup (BA91446-BSD1)											
Prepared & Analyzed: 01/31/2019											
1,1,1,2-Tetrachloroethane	9.54		ug/L	10.0		95.4	82-126		3.30	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	70-130		4.63	20	
1,1,2,2-Tetrachloroethane	8.35		"	10.0		83.5	70-130		1.19	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	70-130		4.17	20	
1,1,2-Trichloroethane	8.67		"	10.0		86.7	70-130		0.694	20	
1,1-Dichloroethane	9.49		"	10.0		94.9	70-130		3.42	20	
1,1-Dichloroethylene	9.34		"	10.0		93.4	70-130		5.42	20	
1,1-Dichloropropylene	9.89		"	10.0		98.9	83-133		4.83	30	
1,2,3-Trichlorobenzene	9.20		"	10.0		92.0	70-130		0.974	20	
1,2,3-Trichloropropane	8.71		"	10.0		87.1	77-128		0.914	30	
1,2,4,5-Tetramethylbenzene	8.94		"	10.0		89.4	85-140		2.98	30	
1,2,4-Trichlorobenzene	8.62		"	10.0		86.2	70-130		3.31	20	
1,2,4-Trimethylbenzene	8.61		"	10.0		86.1	82-132		3.31	20	
1,2-Dibromo-3-chloropropane	8.35		"	10.0		83.5	40-160		0.359	20	
1,2-Dibromoethane	8.93		"	10.0		89.3	70-130		1.33	20	
1,2-Dichlorobenzene	8.76		"	10.0		87.6	70-130		3.48	20	
1,2-Dichloroethane	9.86		"	10.0		98.6	70-130		2.01	20	
1,2-Dichloropropane	7.80		"	10.0		78.0	70-130		4.02	20	
1,3,5-Trimethylbenzene	8.71		"	10.0		87.1	80-131		3.50	30	
1,3-Dichlorobenzene	8.73		"	10.0		87.3	70-130		3.38	20	
1,3-Dichloropropane	8.54		"	10.0		85.4	81-125		0.705	30	
1,4-Dichlorobenzene	8.78		"	10.0		87.8	70-130		7.88	20	
1,4-Dioxane	224		"	210		106	40-160		8.47	20	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		6.59	30	
2-Butanone	9.60		"	10.0		96.0	40-160		0.727	20	
2-Chlorotoluene	8.51		"	10.0		85.1	79-130		3.58	30	
2-Hexanone	8.26		"	10.0		82.6	40-160		0.485	20	
4-Chlorotoluene	8.27		"	10.0		82.7	79-128		4.03	30	
4-Methyl-2-pentanone	8.21		"	10.0		82.1	40-160		1.23	20	
Acetone	7.99		"	10.0		79.9	40-160		3.18	20	
Acrolein	8.61		"	10.0		86.1	10-153		2.35	30	
Acrylonitrile	9.57		"	10.0		95.7	51-150		5.25	30	
Benzene	9.89		"	10.0		98.9	70-130		2.79	20	
Bromobenzene	8.02		"	10.0		80.2	78-129		2.34	30	
Bromochloromethane	9.40		"	10.0		94.0	70-130		1.27	20	
Bromodichloromethane	8.59		"	10.0		85.9	70-130		5.10	20	
Bromoform	9.47		"	10.0		94.7	70-130		2.09	20	
Bromomethane	7.12		"	10.0		71.2	40-160		9.57	20	
Carbon disulfide	9.83		"	10.0		98.3	40-160		4.57	20	
Carbon tetrachloride	11.3		"	10.0		113	70-130		5.61	20	
Chlorobenzene	9.00		"	10.0		90.0	70-130		3.60	20	
Chloroethane	9.56		"	10.0		95.6	40-160		9.85	20	
Chloroform	10.0		"	10.0		100	70-130		2.17	20	
Chloromethane	8.46		"	10.0		84.6	40-160		1.76	20	
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	70-130		2.68	20	
cis-1,3-Dichloropropylene	8.39		"	10.0		83.9	70-130		1.65	20	
Cyclohexane	10.4		"	10.0		104	70-130		4.68	20	
Dibromochloromethane	9.37		"	10.0		93.7	70-130		1.48	20	



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 BA91446 - EPA 5030B

LCS Dup (BA91446-BSD1)

Prepared & Analyzed: 01/31/2019

Dibromomethane	8.51		ug/L	10.0		85.1	72-134		3.69	30	
Dichlorodifluoromethane	8.31		"	10.0		83.1	40-160		7.42	20	
Ethyl Benzene	9.05		"	10.0		90.5	70-130		4.85	20	
Isopropylbenzene	8.58		"	10.0		85.8	70-130		4.11	20	
Methyl acetate	9.56		"	10.0		95.6	70-130		3.62	20	
Methyl tert-butyl ether (MTBE)	9.83		"	10.0		98.3	70-130		1.64	20	
Methylcyclohexane	9.33		"	10.0		93.3	70-130		5.32	20	
Methylene chloride	9.40		"	10.0		94.0	70-130		0.742	20	
n-Butylbenzene	9.41		"	10.0		94.1	79-132		2.80	30	
n-Propylbenzene	8.56		"	10.0		85.6	78-133		3.67	30	
o-Xylene	9.05		"	10.0		90.5	70-130		4.22	20	
p- & m- Xylenes	18.5		"	20.0		92.3	70-130		4.40	20	
p-Isopropyltoluene	9.18		"	10.0		91.8	81-136		4.06	30	
sec-Butylbenzene	9.38		"	10.0		93.8	79-137		4.18	30	
Styrene	9.08		"	10.0		90.8	70-130		3.46	20	
tert-Butyl alcohol (TBA)	49.0		"	50.0		98.0	25-162		3.36	30	
tert-Butylbenzene	8.91		"	10.0		89.1	77-138		4.28	30	
Tetrachloroethylene	6.66		"	10.0		66.6	70-130	Low Bias	6.11	20	
Toluene	8.84		"	10.0		88.4	70-130		4.42	20	
trans-1,2-Dichloroethylene	9.33		"	10.0		93.3	70-130		3.48	20	
trans-1,3-Dichloropropylene	8.56		"	10.0		85.6	70-130		0.586	20	
Trichloroethylene	8.57		"	10.0		85.7	70-130		5.45	20	
Trichlorofluoromethane	11.7		"	10.0		117	40-160		7.30	20	
Vinyl Chloride	9.11		"	10.0		91.1	70-130		4.30	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	70-130				
Surrogate: SURR: Toluene-d8	9.09		"	10.0		90.9	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.47		"	10.0		94.7	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90050 - EPA 5035A

Blank (BB90050-BLK1)

Prepared & Analyzed: 02/01/2019

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	"								
1,2,4,5-Tetramethylbenzene	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	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								



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 BB90050 - EPA 5035A

Blank (BB90050-BLK1)

Prepared & Analyzed: 02/01/2019

Ethyl Benzene	ND	0.0050	mg/kg wet										
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	0.025	"										
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	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	48.6		ug/L	50.0		97.1		77-125					
<i>Surrogate: SURR: Toluene-d8</i>	49.4		"	50.0		98.8		85-120					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	48.2		"	50.0		96.3		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	RPD	Flag
		Limit								Units	
Batch BB90050 - EPA 5035A											
LCS (BB90050-BS1)										Prepared & Analyzed: 02/01/2019	
1,1,1,2-Tetrachloroethane	48.8		ug/L	50.0	97.6	97.6	75-129			30	
1,1,1-Trichloroethane	48.0		"	50.0	95.9	95.9	70-130			30	
1,1,2,2-Tetrachloroethane	47.1		"	50.0	94.2	94.2	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.2		"	50.0	106	106	70-130			30	
1,1,2-Trichloroethane	45.4		"	50.0	90.8	90.8	70-130			30	
1,1-Dichloroethane	49.3		"	50.0	98.6	98.6	70-130			30	
1,1-Dichloroethylene	47.2		"	50.0	94.3	94.3	70-130			30	
1,1-Dichloropropylene	49.4		"	50.0	98.7	98.7	77-127			30	
1,2,3-Trichlorobenzene	49.6		"	50.0	99.1	99.1	70-130			30	
1,2,3-Trichloropropane	47.3		"	50.0	94.6	94.6	81-126			30	
1,2,4,5-Tetramethylbenzene	46.8		"	50.0	93.5	93.5	63-156			30	
1,2,4-Trichlorobenzene	48.1		"	50.0	96.2	96.2	70-130			30	
1,2,4-Trimethylbenzene	46.8		"	50.0	93.5	93.5	84-125			30	
1,2-Dibromo-3-chloropropane	40.4		"	50.0	80.9	80.9	40-160			30	
1,2-Dibromoethane	48.3		"	50.0	96.7	96.7	70-130			30	
1,2-Dichlorobenzene	54.8		"	50.0	110	110	70-130			30	
1,2-Dichloroethane	47.4		"	50.0	94.8	94.8	70-130			30	
1,2-Dichloropropane	47.3		"	50.0	94.5	94.5	70-130			30	
1,3,5-Trimethylbenzene	47.6		"	50.0	95.1	95.1	82-126			30	
1,3-Dichlorobenzene	47.7		"	50.0	95.4	95.4	70-130			30	
1,3-Dichloropropane	47.4		"	50.0	94.7	94.7	83-123			30	
1,4-Dichlorobenzene	47.5		"	50.0	95.0	95.0	70-130			30	
1,4-Dioxane	1300		"	1050	124	124	40-160			30	
2,2-Dichloropropane	46.4		"	50.0	92.9	92.9	67-136			30	
2-Butanone	45.2		"	50.0	90.4	90.4	40-160			30	
2-Chlorotoluene	46.6		"	50.0	93.3	93.3	78-127			30	
2-Hexanone	44.2		"	50.0	88.4	88.4	40-160			30	
4-Chlorotoluene	45.8		"	50.0	91.6	91.6	79-125			30	
4-Methyl-2-pentanone	47.5		"	50.0	95.0	95.0	40-160			30	
Acetone	34.7		"	50.0	69.4	69.4	40-160			30	
Acrolein	33.5		"	50.0	66.9	66.9	10-238			30	
Acrylonitrile	50.8		"	50.0	102	102	66-141			30	
Benzene	49.9		"	50.0	99.8	99.8	70-130			30	
Bromobenzene	46.0		"	50.0	92.0	92.0	77-129			30	
Bromochloromethane	49.9		"	50.0	99.8	99.8	70-130			30	
Bromodichloromethane	45.5		"	50.0	90.9	90.9	70-130			30	
Bromoform	45.1		"	50.0	90.2	90.2	70-130			30	
Bromomethane	52.3		"	50.0	105	105	40-160			30	
Carbon disulfide	46.5		"	50.0	93.0	93.0	40-160			30	
Carbon tetrachloride	49.4		"	50.0	98.8	98.8	70-130			30	
Chlorobenzene	49.5		"	50.0	99.0	99.0	70-130			30	
Chloroethane	51.8		"	50.0	104	104	51-142			30	
Chloroform	47.7		"	50.0	95.5	95.5	70-130			30	
Chloromethane	43.7		"	50.0	87.4	87.4	49-132			30	
cis-1,2-Dichloroethylene	48.5		"	50.0	96.9	96.9	70-130			30	
cis-1,3-Dichloropropylene	43.8		"	50.0	87.6	87.6	70-130			30	
Cyclohexane	58.0		"	50.0	116	116	70-130			30	
Dibromochloromethane	45.4		"	50.0	90.8	90.8	70-130			30	
Dibromomethane	45.0		"	50.0	90.0	90.0	83-124			30	
Dichlorodifluoromethane	35.2		"	50.0	70.4	70.4	40-160			30	
Diisopropyl ether (DIPE)	49.5		"	50.0	99.0	99.0	70-130			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 BB90050 - EPA 5035A

LCS (BB90050-BS1)

Prepared & Analyzed: 02/01/2019

Ethyl Benzene	49.2		ug/L	50.0		98.5	70-130			30	
Hexachlorobutadiene	53.5		"	50.0		107	83-133			30	
Isopropylbenzene	48.2		"	50.0		96.5	70-130			30	
Methyl acetate	49.4		"	50.0		98.8	70-130			30	
Methyl tert-butyl ether (MTBE)	45.6		"	50.0		91.3	70-130			30	
Methylcyclohexane	51.4		"	50.0		103	70-130			30	
Methylene chloride	46.1		"	50.0		92.2	70-130			30	
n-Butylbenzene	46.6		"	50.0		93.3	80-130			30	
n-Propylbenzene	47.8		"	50.0		95.5	74-136			30	
o-Xylene	48.3		"	50.0		96.6	70-130			30	
p- & m- Xylenes	97.2		"	100		97.2	70-130			30	
p-Isopropyltoluene	49.5		"	50.0		98.9	85-125			30	
sec-Butylbenzene	52.0		"	50.0		104	83-125			30	
Styrene	48.5		"	50.0		97.0	70-130			30	
tert-Butyl alcohol (TBA)	235		"	250		94.1	70-130			30	
tert-Butylbenzene	44.4		"	50.0		88.8	80-127			30	
Tetrachloroethylene	48.1		"	50.0		96.2	70-130			30	
Toluene	48.8		"	50.0		97.6	70-130			30	
trans-1,2-Dichloroethylene	48.1		"	50.0		96.3	70-130			30	
trans-1,3-Dichloropropylene	43.0		"	50.0		86.0	70-130			30	
Trichloroethylene	48.8		"	50.0		97.6	70-130			30	
Trichlorofluoromethane	49.2		"	50.0		98.4	40-160			30	
Vinyl Chloride	46.6		"	50.0		93.2	70-130			30	
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.3</i>	<i>77-125</i>				
<i>Surrogate: SURRE: Toluene-d8</i>	<i>49.0</i>		<i>"</i>	<i>50.0</i>		<i>98.0</i>	<i>85-120</i>				
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>46.1</i>		<i>"</i>	<i>50.0</i>		<i>92.3</i>	<i>76-130</i>				

LCS Dup (BB90050-BSD1)

Prepared & Analyzed: 02/01/2019

1,1,1,2-Tetrachloroethane	48.8		ug/L	50.0		97.7	75-129		0.0614	30	
1,1,1-Trichloroethane	48.2		"	50.0		96.3	70-130		0.437	30	
1,1,1,2-Tetrachloroethane	46.6		"	50.0		93.2	70-130		1.02	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.4		"	50.0		105	70-130		1.65	30	
1,1,2-Trichloroethane	44.8		"	50.0		89.7	70-130		1.26	30	
1,1-Dichloroethane	48.4		"	50.0		96.8	70-130		1.88	30	
1,1-Dichloroethylene	48.3		"	50.0		96.6	70-130		2.37	30	
1,1-Dichloropropylene	49.3		"	50.0		98.6	77-127		0.162	30	
1,2,3-Trichlorobenzene	48.2		"	50.0		96.5	70-130		2.72	30	
1,2,3-Trichloropropane	46.9		"	50.0		93.9	81-126		0.806	30	
1,2,4,5-Tetramethylbenzene	46.2		"	50.0		92.3	63-156		1.33	30	
1,2,4-Trichlorobenzene	45.4		"	50.0		90.9	70-130		5.73	30	
1,2,4-Trimethylbenzene	46.1		"	50.0		92.1	84-125		1.49	30	
1,2-Dibromo-3-chloropropane	40.8		"	50.0		81.6	40-160		0.886	30	
1,2-Dibromoethane	47.7		"	50.0		95.3	70-130		1.40	30	
1,2-Dichlorobenzene	48.5		"	50.0		97.1	70-130		12.2	30	
1,2-Dichloroethane	47.6		"	50.0		95.2	70-130		0.400	30	
1,2-Dichloropropane	46.4		"	50.0		92.8	70-130		1.86	30	
1,3,5-Trimethylbenzene	46.9		"	50.0		93.7	82-126		1.46	30	
1,3-Dichlorobenzene	47.4		"	50.0		94.8	70-130		0.694	30	
1,3-Dichloropropane	46.8		"	50.0		93.5	83-123		1.30	30	
1,4-Dichlorobenzene	46.5		"	50.0		93.0	70-130		2.15	30	
1,4-Dioxane	1210		"	1050		115	40-160		7.54	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 BB90050 - EPA 5035A										
LCS Dup (BB90050-BSD1)										
Prepared & Analyzed: 02/01/2019										
2,2-Dichloropropane	46.5		ug/L	50.0	93.0	67-136			0.108	30
2-Butanone	44.9		"	50.0	89.7	40-160			0.777	30
2-Chlorotoluene	45.4		"	50.0	90.9	78-127			2.56	30
2-Hexanone	42.9		"	50.0	85.8	40-160			2.96	30
4-Chlorotoluene	45.2		"	50.0	90.3	79-125			1.43	30
4-Methyl-2-pentanone	45.3		"	50.0	90.7	40-160			4.67	30
Acetone	34.9		"	50.0	69.9	40-160			0.689	30
Acrolein	31.1		"	50.0	62.2	10-238			7.34	30
Acrylonitrile	49.8		"	50.0	99.7	66-141			1.89	30
Benzene	49.5		"	50.0	99.0	70-130			0.765	30
Bromobenzene	43.9		"	50.0	87.8	77-129			4.58	30
Bromochloromethane	47.6		"	50.0	95.1	70-130			4.80	30
Bromodichloromethane	45.0		"	50.0	90.0	70-130			1.04	30
Bromoform	43.3		"	50.0	86.6	70-130			4.12	30
Bromomethane	52.3		"	50.0	105	40-160			0.134	30
Carbon disulfide	46.7		"	50.0	93.4	40-160			0.365	30
Carbon tetrachloride	48.6		"	50.0	97.2	70-130			1.63	30
Chlorobenzene	48.7		"	50.0	97.5	70-130			1.59	30
Chloroethane	51.4		"	50.0	103	51-142			0.697	30
Chloroform	47.7		"	50.0	95.4	70-130			0.0629	30
Chloromethane	43.0		"	50.0	85.9	49-132			1.71	30
cis-1,2-Dichloroethylene	47.9		"	50.0	95.8	70-130			1.18	30
cis-1,3-Dichloropropylene	43.1		"	50.0	86.2	70-130			1.61	30
Cyclohexane	57.0		"	50.0	114	70-130			1.76	30
Dibromochloromethane	44.6		"	50.0	89.2	70-130			1.82	30
Dibromomethane	44.8		"	50.0	89.6	83-124			0.535	30
Dichlorodifluoromethane	34.6		"	50.0	69.2	40-160			1.69	30
Diisopropyl ether (DIPE)	49.0		"	50.0	98.0	70-130			0.995	30
Ethyl Benzene	48.2		"	50.0	96.4	70-130			2.14	30
Hexachlorobutadiene	52.6		"	50.0	105	83-133			1.58	30
Isopropylbenzene	48.1		"	50.0	96.2	70-130			0.270	30
Methyl acetate	47.1		"	50.0	94.2	70-130			4.68	30
Methyl tert-butyl ether (MTBE)	45.0		"	50.0	90.1	70-130			1.28	30
Methylcyclohexane	51.1		"	50.0	102	70-130			0.703	30
Methylene chloride	46.0		"	50.0	92.0	70-130			0.239	30
n-Butylbenzene	49.2		"	50.0	98.4	80-130			5.30	30
n-Propylbenzene	47.3		"	50.0	94.6	74-136			0.947	30
o-Xylene	47.1		"	50.0	94.2	70-130			2.49	30
p- & m- Xylenes	96.1		"	100	96.1	70-130			1.14	30
p-Isopropyltoluene	48.7		"	50.0	97.3	85-125			1.63	30
sec-Butylbenzene	51.9		"	50.0	104	83-125			0.116	30
Styrene	47.6		"	50.0	95.3	70-130			1.75	30
tert-Butyl alcohol (TBA)	218		"	250	87.2	70-130			7.54	30
tert-Butylbenzene	44.2		"	50.0	88.4	80-127			0.406	30
Tetrachloroethylene	47.0		"	50.0	93.9	70-130			2.42	30
Toluene	48.5		"	50.0	96.9	70-130			0.658	30
trans-1,2-Dichloroethylene	48.1		"	50.0	96.3	70-130			0.0208	30
trans-1,3-Dichloropropylene	42.2		"	50.0	84.5	70-130			1.74	30
Trichloroethylene	48.3		"	50.0	96.7	70-130			0.927	30
Trichlorofluoromethane	46.5		"	50.0	93.0	40-160			5.60	30
Vinyl Chloride	46.6		"	50.0	93.3	70-130			0.150	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	Flag
		Limit								RPD	

Batch BB90050 - EPA 5035A

LCS Dup (BB90050-BSD1)

Prepared & Analyzed: 02/01/2019

Surrogate: SURR: 1,2-Dichloroethane-d4	49.3		ug/L	50.0		98.6	77-125				
Surrogate: SURR: Toluene-d8	49.5		"	50.0		98.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.1		"	50.0		94.2	76-130				

Batch BB90089 - EPA 5035A

Blank (BB90089-BLK2)

Prepared & Analyzed: 02/04/2019

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	"								
1,2,4,5-Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
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	"								



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 BB90089 - EPA 5035A

Blank (BB90089-BLK2)

Prepared & Analyzed: 02/04/2019

cis-1,2-Dichloroethylene	ND	0.50	mg/kg wet								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Diisopropyl ether (DIPE)	ND	0.80	"								
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	2.5	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.6</i>		<i>ug/L</i>	<i>50.0</i>		<i>103</i>		<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.3</i>		<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.7</i>		<i>76-130</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
Batch BB90089 - EPA 5035A										
LCS (BB90089-BS1)										
Prepared & Analyzed: 02/04/2019										
1,1,1,2-Tetrachloroethane	52.1		ug/L	50.0	104		75-129			30
1,1,1-Trichloroethane	50.2		"	50.0	100		70-130			30
1,1,2,2-Tetrachloroethane	50.2		"	50.0	100		70-130			30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.6		"	50.0	107		70-130			30
1,1,2-Trichloroethane	48.6		"	50.0	97.3		70-130			30
1,1-Dichloroethane	51.7		"	50.0	103		70-130			30
1,1-Dichloroethylene	50.6		"	50.0	101		70-130			30
1,1-Dichloropropylene	48.8		"	50.0	97.5		77-127			30
1,2,3-Trichlorobenzene	47.9		"	50.0	95.8		70-130			30
1,2,3-Trichloropropane	48.2		"	50.0	96.3		81-126			30
1,2,4,5-Tetramethylbenzene	51.7		"	50.0	103		63-156			30
1,2,4-Trichlorobenzene	48.0		"	50.0	96.0		70-130			30
1,2,4-Trimethylbenzene	49.6		"	50.0	99.2		84-125			30
1,2-Dibromo-3-chloropropane	49.1		"	50.0	98.2		40-160			30
1,2-Dibromoethane	49.9		"	50.0	99.8		70-130			30
1,2-Dichlorobenzene	48.8		"	50.0	97.6		70-130			30
1,2-Dichloroethane	53.1		"	50.0	106		70-130			30
1,2-Dichloropropane	49.1		"	50.0	98.3		70-130			30
1,3,5-Trimethylbenzene	49.7		"	50.0	99.3		82-126			30
1,3-Dichlorobenzene	49.3		"	50.0	98.5		70-130			30
1,3-Dichloropropane	50.1		"	50.0	100		83-123			30
1,4-Dichlorobenzene	48.4		"	50.0	96.8		70-130			30
1,4-Dioxane	941		"	1050	89.6		40-160			30
2,2-Dichloropropane	51.7		"	50.0	103		67-136			30
2-Butanone	55.4		"	50.0	111		40-160			30
2-Chlorotoluene	49.2		"	50.0	98.3		78-127			30
2-Hexanone	49.4		"	50.0	98.7		40-160			30
4-Chlorotoluene	48.7		"	50.0	97.3		79-125			30
4-Methyl-2-pentanone	48.8		"	50.0	97.5		40-160			30
Acetone	56.4		"	50.0	113		40-160			30
Acrolein	61.0		"	50.0	122		10-238			30
Acrylonitrile	50.9		"	50.0	102		66-141			30
Benzene	51.5		"	50.0	103		70-130			30
Bromobenzene	49.3		"	50.0	98.6		77-129			30
Bromochloromethane	51.7		"	50.0	103		70-130			30
Bromodichloromethane	50.9		"	50.0	102		70-130			30
Bromoform	52.9		"	50.0	106		70-130			30
Bromomethane	58.7		"	50.0	117		40-160			30
Carbon disulfide	54.6		"	50.0	109		40-160			30
Carbon tetrachloride	51.4		"	50.0	103		70-130			30
Chlorobenzene	49.6		"	50.0	99.3		70-130			30
Chloroethane	59.3		"	50.0	119		51-142			30
Chloroform	50.8		"	50.0	102		70-130			30
Chloromethane	55.0		"	50.0	110		49-132			30
cis-1,2-Dichloroethylene	51.0		"	50.0	102		70-130			30
cis-1,3-Dichloropropylene	49.9		"	50.0	99.8		70-130			30
Cyclohexane	52.4		"	50.0	105		70-130			30
Dibromochloromethane	52.1		"	50.0	104		70-130			30
Dibromomethane	50.1		"	50.0	100		83-124			30
Dichlorodifluoromethane	53.4		"	50.0	107		40-160			30
Diisopropyl ether (DIPE)	54.4		"	50.0	109		70-130			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	Result

Batch BB90089 - EPA 5035A

LCS (BB90089-BS1)

Prepared & Analyzed: 02/04/2019

Ethyl Benzene	50.4		ug/L	50.0		101	70-130			30
Hexachlorobutadiene	49.6		"	50.0		99.2	83-133			30
Isopropylbenzene	48.2		"	50.0		96.3	70-130			30
Methyl acetate	49.3		"	50.0		98.6	70-130			30
Methyl tert-butyl ether (MTBE)	51.6		"	50.0		103	70-130			30
Methylcyclohexane	50.1		"	50.0		100	70-130			30
Methylene chloride	49.2		"	50.0		98.4	70-130			30
n-Butylbenzene	51.8		"	50.0		104	80-130			30
n-Propylbenzene	48.9		"	50.0		97.8	74-136			30
o-Xylene	50.6		"	50.0		101	70-130			30
p- & m- Xylenes	101		"	100		101	70-130			30
p-Isopropyltoluene	50.2		"	50.0		100	85-125			30
sec-Butylbenzene	51.2		"	50.0		102	83-125			30
Styrene	50.2		"	50.0		100	70-130			30
tert-Butyl alcohol (TBA)	256		"	250		102	70-130			30
tert-Butylbenzene	44.0		"	50.0		87.9	80-127			30
Tetrachloroethylene	44.3		"	50.0		88.6	70-130			30
Toluene	50.9		"	50.0		102	70-130			30
trans-1,2-Dichloroethylene	50.4		"	50.0		101	70-130			30
trans-1,3-Dichloropropylene	49.7		"	50.0		99.3	70-130			30
Trichloroethylene	49.4		"	50.0		98.9	70-130			30
Trichlorofluoromethane	54.0		"	50.0		108	40-160			30
Vinyl Chloride	54.3		"	50.0		109	70-130			30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>49.2</i>		<i>"</i>	<i>50.0</i>		<i>98.3</i>	<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.0</i>	<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.8</i>	<i>76-130</i>			

LCS Dup (BB90089-BS1)

Prepared & Analyzed: 02/04/2019

1,1,1,2-Tetrachloroethane	52.9		ug/L	50.0		106	75-129		1.50	30
1,1,1-Trichloroethane	52.4		"	50.0		105	70-130		4.11	30
1,1,2,2-Tetrachloroethane	48.3		"	50.0		96.7	70-130		3.90	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.4		"	50.0		111	70-130		3.23	30
1,1,2-Trichloroethane	48.8		"	50.0		97.6	70-130		0.390	30
1,1-Dichloroethane	53.7		"	50.0		107	70-130		3.84	30
1,1-Dichloroethylene	52.0		"	50.0		104	70-130		2.61	30
1,1-Dichloropropylene	50.8		"	50.0		102	77-127		4.16	30
1,2,3-Trichlorobenzene	48.6		"	50.0		97.3	70-130		1.47	30
1,2,3-Trichloropropane	46.7		"	50.0		93.5	81-126		2.99	30
1,2,4,5-Tetramethylbenzene	51.1		"	50.0		102	63-156		1.21	30
1,2,4-Trichlorobenzene	47.9		"	50.0		95.8	70-130		0.188	30
1,2,4-Trimethylbenzene	49.1		"	50.0		98.2	84-125		1.03	30
1,2-Dibromo-3-chloropropane	48.1		"	50.0		96.3	40-160		1.93	30
1,2-Dibromoethane	49.8		"	50.0		99.7	70-130		0.0602	30
1,2-Dichlorobenzene	49.3		"	50.0		98.6	70-130		1.02	30
1,2-Dichloroethane	54.5		"	50.0		109	70-130		2.56	30
1,2-Dichloropropane	49.6		"	50.0		99.1	70-130		0.871	30
1,3,5-Trimethylbenzene	49.1		"	50.0		98.3	82-126		1.05	30
1,3-Dichlorobenzene	49.0		"	50.0		97.9	70-130		0.631	30
1,3-Dichloropropane	49.7		"	50.0		99.4	83-123		0.842	30
1,4-Dichlorobenzene	48.3		"	50.0		96.6	70-130		0.186	30
1,4-Dioxane	993		"	1050		94.6	40-160		5.41	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 BB90089 - EPA 5035A											
LCS Dup (BB90089-BSD1)											
										Prepared & Analyzed: 02/04/2019	
2,2-Dichloropropane	53.5		ug/L	50.0		107	67-136		3.38	30	
2-Butanone	55.2		"	50.0		110	40-160		0.524	30	
2-Chlorotoluene	48.9		"	50.0		97.9	78-127		0.428	30	
2-Hexanone	48.5		"	50.0		96.9	40-160		1.80	30	
4-Chlorotoluene	47.9		"	50.0		95.7	79-125		1.66	30	
4-Methyl-2-pentanone	47.8		"	50.0		95.6	40-160		1.95	30	
Acetone	55.1		"	50.0		110	40-160		2.33	30	
Acrolein	57.9		"	50.0		116	10-238		5.20	30	
Acrylonitrile	50.8		"	50.0		102	66-141		0.315	30	
Benzene	53.3		"	50.0		107	70-130		3.43	30	
Bromobenzene	47.9		"	50.0		95.8	77-129		2.92	30	
Bromochloromethane	53.9		"	50.0		108	70-130		4.28	30	
Bromodichloromethane	51.5		"	50.0		103	70-130		1.13	30	
Bromoform	52.2		"	50.0		104	70-130		1.37	30	
Bromomethane	59.0		"	50.0		118	40-160		0.578	30	
Carbon disulfide	56.3		"	50.0		113	40-160		3.03	30	
Carbon tetrachloride	53.3		"	50.0		107	70-130		3.71	30	
Chlorobenzene	50.2		"	50.0		100	70-130		1.08	30	
Chloroethane	61.0		"	50.0		122	51-142		2.81	30	
Chloroform	52.5		"	50.0		105	70-130		3.45	30	
Chloromethane	56.7		"	50.0		113	49-132		3.13	30	
cis-1,2-Dichloroethylene	53.1		"	50.0		106	70-130		4.04	30	
cis-1,3-Dichloropropylene	50.8		"	50.0		102	70-130		1.81	30	
Cyclohexane	54.2		"	50.0		108	70-130		3.36	30	
Dibromochloromethane	52.1		"	50.0		104	70-130		0.0576	30	
Dibromomethane	50.0		"	50.0		100	83-124		0.0400	30	
Dichlorodifluoromethane	55.4		"	50.0		111	40-160		3.68	30	
Diisopropyl ether (DIPE)	55.7		"	50.0		111	70-130		2.42	30	
Ethyl Benzene	51.5		"	50.0		103	70-130		2.14	30	
Hexachlorobutadiene	50.5		"	50.0		101	83-133		1.80	30	
Isopropylbenzene	47.7		"	50.0		95.5	70-130		0.855	30	
Methyl acetate	50.2		"	50.0		100	70-130		1.75	30	
Methyl tert-butyl ether (MTBE)	52.9		"	50.0		106	70-130		2.51	30	
Methylcyclohexane	51.2		"	50.0		102	70-130		2.21	30	
Methylene chloride	50.4		"	50.0		101	70-130		2.43	30	
n-Butylbenzene	55.9		"	50.0		112	80-130		7.67	30	
n-Propylbenzene	48.7		"	50.0		97.4	74-136		0.471	30	
o-Xylene	51.2		"	50.0		102	70-130		1.16	30	
p- & m- Xylenes	102		"	100		102	70-130		1.72	30	
p-Isopropyltoluene	50.1		"	50.0		100	85-125		0.299	30	
sec-Butylbenzene	51.0		"	50.0		102	83-125		0.352	30	
Styrene	50.7		"	50.0		101	70-130		0.951	30	
tert-Butyl alcohol (TBA)	268		"	250		107	70-130		4.49	30	
tert-Butylbenzene	43.5		"	50.0		87.1	80-127		0.960	30	
Tetrachloroethylene	44.8		"	50.0		89.6	70-130		1.14	30	
Toluene	51.5		"	50.0		103	70-130		1.17	30	
trans-1,2-Dichloroethylene	52.5		"	50.0		105	70-130		3.94	30	
trans-1,3-Dichloropropylene	50.3		"	50.0		101	70-130		1.32	30	
Trichloroethylene	50.2		"	50.0		100	70-130		1.57	30	
Trichlorofluoromethane	57.1		"	50.0		114	40-160		5.71	30	
Vinyl Chloride	56.5		"	50.0		113	70-130		3.88	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BB90089 - EPA 5035A

LCS Dup (BB90089-BSD1)

Prepared & Analyzed: 02/04/2019

Surrogate: SURR: 1,2-Dichloroethane-d4	49.7		ug/L	50.0		99.5		77-125			
Surrogate: SURR: Toluene-d8	49.6		"	50.0		99.3		85-120			
Surrogate: SURR: p-Bromofluorobenzene	48.2		"	50.0		96.4		76-130			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90076 - EPA 3550C

Blank (BB90076-BLK1)

Prepared & Analyzed: 02/04/2019

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	0.0312	0.0416	"								



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 BB90076 - EPA 3550C

Blank (BB90076-BLK1)

Prepared & Analyzed: 02/04/2019

Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.42		"	1.66		85.6	20-108				
Surrogate: SURR: Phenol-d5	1.27		"	1.66		76.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.645		"	0.831		77.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.808		"	0.831		97.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.80		"	1.66		108	19-110				
Surrogate: SURR: Terphenyl-d14	0.889		"	0.831		107	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 BB90076 - EPA 3550C											
LCS (BB90076-BS1)											
Prepared & Analyzed: 02/04/2019											
1,1-Biphenyl	0.684	0.0416	mg/kg wet	0.831		82.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.672	0.0830	"	0.831		80.9	21-131				
1,2,4-Trichlorobenzene	0.685	0.0416	"	0.831		82.4	10-140				
1,2-Dichlorobenzene	0.638	0.0416	"	0.831		76.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.538	0.0416	"	0.831		64.8	17-137				
1,3-Dichlorobenzene	0.607	0.0416	"	0.831		73.0	33-110				
1,4-Dichlorobenzene	0.627	0.0416	"	0.831		75.5	32-104				
2,3,4,6-Tetrachlorophenol	1.39	0.0830	"	0.831		167	30-130	High Bias			
2,4,5-Trichlorophenol	0.648	0.0416	"	0.831		78.0	27-118				
2,4,6-Trichlorophenol	0.713	0.0416	"	0.831		85.8	31-120				
2,4-Dichlorophenol	0.742	0.0416	"	0.831		89.4	20-127				
2,4-Dimethylphenol	0.724	0.0416	"	0.831		87.1	14-132				
2,4-Dinitrophenol	0.338	0.0830	"	0.831		40.6	10-171				
2,4-Dinitrotoluene	0.788	0.0416	"	0.831		94.8	34-131				
2,6-Dinitrotoluene	0.815	0.0416	"	0.831		98.1	31-128				
2-Chloronaphthalene	0.668	0.0416	"	0.831		80.4	31-117				
2-Chlorophenol	0.665	0.0416	"	0.831		80.0	33-113				
2-Methylnaphthalene	0.664	0.0416	"	0.831		80.0	12-138				
2-Methylphenol	0.589	0.0416	"	0.831		71.0	10-136				
2-Nitroaniline	0.692	0.0830	"	0.831		83.3	27-132				
2-Nitrophenol	0.813	0.0416	"	0.831		97.9	17-129				
3- & 4-Methylphenols	0.541	0.0416	"	0.831		65.2	29-103				
3,3-Dichlorobenzidine	0.644	0.0416	"	0.831		77.5	22-149				
3-Nitroaniline	0.589	0.0830	"	0.831		70.9	20-133				
4,6-Dinitro-2-methylphenol	0.688	0.0830	"	0.831		82.8	10-143				
4-Bromophenyl phenyl ether	0.734	0.0416	"	0.831		88.4	29-120				
4-Chloro-3-methylphenol	0.653	0.0416	"	0.831		78.6	24-129				
4-Chloroaniline	0.354	0.0416	"	0.831		42.6	10-132				
4-Chlorophenyl phenyl ether	0.645	0.0416	"	0.831		77.6	27-124				
4-Nitroaniline	0.696	0.0830	"	0.831		83.8	16-128				
4-Nitrophenol	0.539	0.0830	"	0.831		64.9	10-141				
Acenaphthene	0.697	0.0416	"	0.831		83.9	30-121				
Acenaphthylene	0.656	0.0416	"	0.831		79.0	30-115				
Acetophenone	0.578	0.0416	"	0.831		69.6	20-112				
Aniline	0.466	0.166	"	0.831		56.2	10-119				
Anthracene	0.725	0.0416	"	0.831		87.3	34-118				
Atrazine	0.710	0.0416	"	0.831		85.5	26-112				
Benzaldehyde	0.621	0.0416	"	0.831		74.8	21-100				
Benzo(a)anthracene	0.687	0.0416	"	0.831		82.7	32-122				
Benzo(a)pyrene	0.919	0.0416	"	0.831		111	29-133				
Benzo(b)fluoranthene	0.916	0.0416	"	0.831		110	25-133				
Benzo(g,h,i)perylene	0.813	0.0416	"	0.831		97.8	10-143				
Benzo(k)fluoranthene	0.930	0.0416	"	0.831		112	25-128				
Benzoic acid	0.0472	0.0416	"	0.894		5.28	10-140	Low Bias			
Benzyl alcohol	0.618	0.0416	"	0.831		74.4	30-115				
Benzyl butyl phthalate	0.730	0.0416	"	0.831		87.9	26-126				
Bis(2-chloroethoxy)methane	0.636	0.0416	"	0.831		76.5	19-132				
Bis(2-chloroethyl)ether	0.578	0.0416	"	0.831		69.6	19-125				
Bis(2-chloroisopropyl)ether	0.693	0.0416	"	0.831		83.4	20-135				
Bis(2-ethylhexyl)phthalate	0.805	0.0416	"	0.831		97.0	10-155				
Caprolactam	0.623	0.0830	"	0.831		75.0	10-127				



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 BB90076 - EPA 3550C

LCS (BB90076-BS1)

Prepared & Analyzed: 02/04/2019

Carbazole	0.697	0.0416	mg/kg wet	0.831		83.9	35-123				
Chrysene	0.728	0.0416	"	0.831		87.6	32-123				
Dibenzo(a,h)anthracene	0.862	0.0416	"	0.831		104	10-136				
Dibenzofuran	0.647	0.0416	"	0.831		77.9	29-121				
Diethyl phthalate	0.649	0.0416	"	0.831		78.2	34-116				
Dimethyl phthalate	0.663	0.0416	"	0.831		79.8	35-124				
Di-n-butyl phthalate	0.691	0.0416	"	0.831		83.2	31-116				
Di-n-octyl phthalate	1.13	0.0416	"	0.831		136	26-136				
Fluoranthene	0.694	0.0416	"	0.831		83.5	33-122				
Fluorene	0.688	0.0416	"	0.831		82.9	29-123				
Hexachlorobenzene	0.519	0.0416	"	0.831		62.4	21-124				
Hexachlorobutadiene	0.606	0.0416	"	0.831		73.0	10-149				
Hexachlorocyclopentadiene	0.512	0.0416	"	0.831		61.7	10-129				
Hexachloroethane	0.550	0.0416	"	0.831		66.2	28-108				
Indeno(1,2,3-cd)pyrene	0.689	0.0416	"	0.831		83.0	10-135				
Isophorone	0.589	0.0416	"	0.831		71.0	20-132				
Naphthalene	0.691	0.0416	"	0.831		83.2	23-124				
Nitrobenzene	0.556	0.0416	"	0.831		67.0	13-132				
N-Nitrosodimethylamine	0.502	0.0416	"	0.831		60.5	11-129				
N-nitroso-di-n-propylamine	0.531	0.0416	"	0.831		63.9	24-119				
N-Nitrosodiphenylamine	0.899	0.0416	"	0.831		108	22-152				
Pentachlorophenol	0.443	0.0416	"	0.831		53.3	10-139				
Phenanthrene	0.754	0.0416	"	0.831		90.8	33-123				
Phenol	0.650	0.0416	"	0.831		78.3	23-115				
Pyrene	0.685	0.0416	"	0.831		82.5	32-130				
Pyridine	0.473	0.166	"	0.831		57.0	10-91				
Surrogate: SURR: 2-Fluorophenol	1.26		"	1.66		75.9	20-108				
Surrogate: SURR: Phenol-d5	1.16		"	1.66		70.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.562		"	0.831		67.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.695		"	0.831		83.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.65		"	1.66		99.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.734		"	0.831		88.3	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 BB90076 - EPA 3550C											
Matrix Spike (BB90076-MS1)	*Source sample: 19A1155-06 (LSB-10B)						Prepared & Analyzed: 02/04/2019				
1,1-Biphenyl	0.760	0.0935	mg/kg dry	0.935	ND	81.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.760	0.187	"	0.935	ND	81.3	10-133				
1,2,4-Trichlorobenzene	0.783	0.0935	"	0.935	ND	83.8	10-127				
1,2-Dichlorobenzene	0.740	0.0935	"	0.935	ND	79.2	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.571	0.0935	"	0.935	ND	61.1	10-144				
1,3-Dichlorobenzene	0.695	0.0935	"	0.935	ND	74.4	11-111				
1,4-Dichlorobenzene	0.739	0.0935	"	0.935	ND	79.1	10-106				
2,3,4,6-Tetrachlorophenol	1.62	0.187	"	0.935	ND	173	30-130	High Bias			
2,4,5-Trichlorophenol	0.743	0.0935	"	0.935	ND	79.5	10-127				
2,4,6-Trichlorophenol	0.823	0.0935	"	0.935	ND	88.1	10-132				
2,4-Dichlorophenol	0.830	0.0935	"	0.935	ND	88.8	10-128				
2,4-Dimethylphenol	0.769	0.0935	"	0.935	ND	82.2	10-137				
2,4-Dinitrophenol	ND	0.187	"	0.935	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.701	0.0935	"	0.935	ND	75.0	16-135				
2,6-Dinitrotoluene	0.766	0.0935	"	0.935	ND	81.9	18-131				
2-Chloronaphthalene	0.754	0.0935	"	0.935	ND	80.7	10-129				
2-Chlorophenol	0.726	0.0935	"	0.935	ND	77.7	15-116				
2-Methylnaphthalene	0.738	0.0935	"	0.935	ND	79.0	10-147				
2-Methylphenol	0.701	0.0935	"	0.935	ND	75.0	10-136				
2-Nitroaniline	0.846	0.187	"	0.935	ND	90.6	10-137				
2-Nitrophenol	0.724	0.0935	"	0.935	ND	77.5	10-129				
3- & 4-Methylphenols	0.624	0.0935	"	0.935	ND	66.8	10-123				
3,3-Dichlorobenzidine	0.865	0.0935	"	0.935	ND	92.6	10-155				
3-Nitroaniline	0.775	0.187	"	0.935	ND	83.0	12-133				
4,6-Dinitro-2-methylphenol	0.232	0.187	"	0.935	ND	24.8	10-155				
4-Bromophenyl phenyl ether	0.778	0.0935	"	0.935	ND	83.2	14-128				
4-Chloro-3-methylphenol	0.714	0.0935	"	0.935	ND	76.4	10-134				
4-Chloroaniline	0.555	0.0935	"	0.935	ND	59.4	10-145				
4-Chlorophenyl phenyl ether	0.737	0.0935	"	0.935	ND	78.9	14-130				
4-Nitroaniline	0.890	0.187	"	0.935	ND	95.2	10-147				
4-Nitrophenol	0.630	0.187	"	0.935	ND	67.4	10-137				
Acenaphthene	0.781	0.0935	"	0.935	ND	83.5	10-146				
Acenaphthylene	0.750	0.0935	"	0.935	ND	80.2	10-134				
Acetophenone	0.682	0.0935	"	0.935	ND	73.0	10-116				
Aniline	0.488	0.375	"	0.935	ND	52.2	10-123				
Anthracene	0.831	0.0935	"	0.935	ND	89.0	10-142				
Atrazine	0.739	0.0935	"	0.935	ND	79.1	19-115				
Benzaldehyde	0.677	0.0935	"	0.935	ND	72.4	10-125				
Benzo(a)anthracene	0.789	0.0935	"	0.935	ND	84.4	10-158				
Benzo(a)pyrene	0.830	0.0935	"	0.935	ND	88.8	10-180				
Benzo(b)fluoranthene	0.815	0.0935	"	0.935	ND	87.2	10-200				
Benzo(g,h,i)perylene	0.894	0.0935	"	0.935	ND	95.7	10-138				
Benzo(k)fluoranthene	0.790	0.0935	"	0.935	ND	84.6	10-197				
Benzoic acid	0.150	0.0935	"	1.01	ND	14.9	10-166				
Benzyl alcohol	0.688	0.0935	"	0.935	ND	73.6	12-124				
Benzyl butyl phthalate	0.821	0.0935	"	0.935	ND	87.8	10-154				
Bis(2-chloroethoxy)methane	0.746	0.0935	"	0.935	ND	79.8	10-132				
Bis(2-chloroethyl)ether	0.701	0.0935	"	0.935	ND	75.0	10-119				
Bis(2-chloroisopropyl)ether	0.870	0.0935	"	0.935	ND	93.1	10-139				
Bis(2-ethylhexyl)phthalate	0.860	0.0935	"	0.935	ND	92.1	10-167				
Caprolactam	0.802	0.187	"	0.935	ND	85.8	10-132				



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 BB90076 - EPA 3550C

Matrix Spike (BB90076-MS1)	*Source sample: 19A1155-06 (LSB-10B)						Prepared & Analyzed: 02/04/2019				
Carbazole	0.784	0.0935	mg/kg dry	0.935	ND	83.9	10-167				
Chrysene	0.835	0.0935	"	0.935	ND	89.4	10-156				
Dibenzo(a,h)anthracene	0.908	0.0935	"	0.935	ND	97.2	10-137				
Dibenzofuran	0.705	0.0935	"	0.935	ND	75.4	10-147				
Diethyl phthalate	0.701	0.0935	"	0.935	ND	75.0	20-120				
Dimethyl phthalate	0.700	0.0935	"	0.935	ND	74.9	18-131				
Di-n-butyl phthalate	0.719	0.0935	"	0.935	ND	77.0	10-137				
Di-n-octyl phthalate	0.953	0.0935	"	0.935	ND	102	10-180				
Fluoranthene	0.824	0.0935	"	0.935	ND	88.2	10-160				
Fluorene	0.764	0.0935	"	0.935	ND	81.8	10-157				
Hexachlorobenzene	0.654	0.0935	"	0.935	ND	70.0	10-137				
Hexachlorobutadiene	0.672	0.0935	"	0.935	ND	71.9	10-132				
Hexachlorocyclopentadiene	0.0658	0.0935	"	0.935	ND	7.04	10-106	Low Bias			
Hexachloroethane	0.464	0.0935	"	0.935	ND	49.6	10-110				
Indeno(1,2,3-cd)pyrene	1.04	0.0935	"	0.935	ND	112	10-144				
Isophorone	0.671	0.0935	"	0.935	ND	71.8	10-132				
Naphthalene	0.795	0.0935	"	0.935	ND	85.0	10-141				
Nitrobenzene	0.618	0.0935	"	0.935	ND	66.2	10-131				
N-Nitrosodimethylamine	0.621	0.0935	"	0.935	ND	66.5	10-126				
N-nitroso-di-n-propylamine	0.594	0.0935	"	0.935	ND	63.5	10-125				
N-Nitrosodiphenylamine	0.974	0.0935	"	0.935	ND	104	10-177				
Pentachlorophenol	0.625	0.0935	"	0.935	ND	66.9	10-153				
Phenanthrene	0.842	0.0935	"	0.935	ND	90.1	10-148				
Phenol	0.741	0.0935	"	0.935	ND	79.3	10-126				
Pyrene	0.843	0.0935	"	0.935	ND	90.2	10-165				
Pyridine	0.519	0.375	"	0.935	ND	55.5	10-83				
Surrogate: SURR: 2-Fluorophenol	1.47		"	1.87		78.8	20-108				
Surrogate: SURR: Phenol-d5	1.38		"	1.87		73.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.623		"	0.935		66.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.772		"	0.935		82.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.87		"	1.87		100	19-110				
Surrogate: SURR: Terphenyl-d14	0.867		"	0.935		92.8	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 BB90076 - EPA 3550C											
Matrix Spike Dup (BB90076-MSD1)		*Source sample: 19A1155-06 (LSB-10B)				Prepared & Analyzed: 02/04/2019					
1,1-Biphenyl	0.658	0.0935	mg/kg dry	0.935	ND	70.4	10-130		14.4	30	
1,2,4,5-Tetrachlorobenzene	0.680	0.187	"	0.935	ND	72.7	10-133		11.1	30	
1,2,4-Trichlorobenzene	0.715	0.0935	"	0.935	ND	76.6	10-127		8.98	30	
1,2-Dichlorobenzene	0.650	0.0935	"	0.935	ND	69.5	14-111		13.0	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.507	0.0935	"	0.935	ND	54.2	10-144		11.9	30	
1,3-Dichlorobenzene	0.604	0.0935	"	0.935	ND	64.6	11-111		14.0	30	
1,4-Dichlorobenzene	0.635	0.0935	"	0.935	ND	68.0	10-106		15.1	30	
2,3,4,6-Tetrachlorophenol	1.43	0.187	"	0.935	ND	153	30-130	High Bias	12.2	30	
2,4,5-Trichlorophenol	0.695	0.0935	"	0.935	ND	74.3	10-127		6.76	30	
2,4,6-Trichlorophenol	0.742	0.0935	"	0.935	ND	79.4	10-132		10.4	30	
2,4-Dichlorophenol	0.773	0.0935	"	0.935	ND	82.7	10-128		7.09	30	
2,4-Dimethylphenol	0.733	0.0935	"	0.935	ND	78.4	10-137		4.78	30	
2,4-Dinitrophenol	ND	0.187	"	0.935	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.610	0.0935	"	0.935	ND	65.3	16-135		13.9	30	
2,6-Dinitrotoluene	0.669	0.0935	"	0.935	ND	71.6	18-131		13.4	30	
2-Chloronaphthalene	0.700	0.0935	"	0.935	ND	74.9	10-129		7.51	30	
2-Chlorophenol	0.668	0.0935	"	0.935	ND	71.4	15-116		8.37	30	
2-Methylnaphthalene	0.674	0.0935	"	0.935	ND	72.2	10-147		9.00	30	
2-Methylphenol	0.620	0.0935	"	0.935	ND	66.3	10-136		12.3	30	
2-Nitroaniline	0.787	0.187	"	0.935	ND	84.2	10-137		7.23	30	
2-Nitrophenol	0.638	0.0935	"	0.935	ND	68.3	10-129		12.6	30	
3- & 4-Methylphenols	0.544	0.0935	"	0.935	ND	58.2	10-123		13.8	30	
3,3-Dichlorobenzidine	0.780	0.0935	"	0.935	ND	83.4	10-155		10.4	30	
3-Nitroaniline	0.754	0.187	"	0.935	ND	80.7	12-133		2.74	30	
4,6-Dinitro-2-methylphenol	0.212	0.187	"	0.935	ND	22.6	10-155		9.11	30	
4-Bromophenyl phenyl ether	0.707	0.0935	"	0.935	ND	75.7	14-128		9.47	30	
4-Chloro-3-methylphenol	0.606	0.0935	"	0.935	ND	64.9	10-134		16.3	30	
4-Chloroaniline	0.453	0.0935	"	0.935	ND	48.5	10-145		20.2	30	
4-Chlorophenyl phenyl ether	0.672	0.0935	"	0.935	ND	71.9	14-130		9.23	30	
4-Nitroaniline	0.807	0.187	"	0.935	ND	86.4	10-147		9.69	30	
4-Nitrophenol	0.493	0.187	"	0.935	ND	52.7	10-137		24.5	30	
Acenaphthene	0.703	0.0935	"	0.935	ND	75.2	10-146		10.5	30	
Acenaphthylene	0.662	0.0935	"	0.935	ND	70.8	10-134		12.5	30	
Acetophenone	0.606	0.0935	"	0.935	ND	64.8	10-116		11.8	30	
Aniline	0.410	0.375	"	0.935	ND	43.8	10-123		17.5	30	
Anthracene	0.767	0.0935	"	0.935	ND	82.1	10-142		8.04	30	
Atrazine	0.674	0.0935	"	0.935	ND	72.1	19-115		9.31	30	
Benzaldehyde	0.613	0.0935	"	0.935	ND	65.6	10-125		9.86	30	
Benzo(a)anthracene	0.714	0.0935	"	0.935	ND	76.4	10-158		9.95	30	
Benzo(a)pyrene	0.749	0.0935	"	0.935	ND	80.2	10-180		10.2	30	
Benzo(b)fluoranthene	0.724	0.0935	"	0.935	ND	77.4	10-200		11.9	30	
Benzo(g,h,i)perylene	0.791	0.0935	"	0.935	ND	84.6	10-138		12.2	30	
Benzo(k)fluoranthene	0.680	0.0935	"	0.935	ND	72.7	10-197		15.1	30	
Benzoic acid	0.102	0.0935	"	1.01	ND	10.1	10-166		38.6	30	Non-dir.
Benzyl alcohol	0.613	0.0935	"	0.935	ND	65.6	12-124		11.5	30	
Benzyl butyl phthalate	0.739	0.0935	"	0.935	ND	79.1	10-154		10.4	30	
Bis(2-chloroethoxy)methane	0.615	0.0935	"	0.935	ND	65.8	10-132		19.2	30	
Bis(2-chloroethyl)ether	0.612	0.0935	"	0.935	ND	65.5	10-119		13.5	30	
Bis(2-chloroisopropyl)ether	0.728	0.0935	"	0.935	ND	77.9	10-139		17.8	30	
Bis(2-ethylhexyl)phthalate	0.763	0.0935	"	0.935	ND	81.6	10-167		12.1	30	
Caprolactam	0.652	0.187	"	0.935	ND	69.8	10-132		20.7	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 BB90076 - EPA 3550C

Matrix Spike Dup (BB90076-MSD1)

*Source sample: 19A1155-06 (LSB-10B)

Prepared & Analyzed: 02/04/2019

Carbazole	0.705	0.0935	mg/kg dry	0.935	ND	75.4	10-167		10.6	30	
Chrysene	0.763	0.0935	"	0.935	ND	81.7	10-156		8.98	30	
Dibenzo(a,h)anthracene	0.830	0.0935	"	0.935	ND	88.8	10-137		9.03	30	
Dibenzofuran	0.653	0.0935	"	0.935	ND	69.8	10-147		7.71	30	
Diethyl phthalate	0.624	0.0935	"	0.935	ND	66.7	20-120		11.6	30	
Dimethyl phthalate	0.647	0.0935	"	0.935	ND	69.2	18-131		7.88	30	
Di-n-butyl phthalate	0.649	0.0935	"	0.935	ND	69.4	10-137		10.3	30	
Di-n-octyl phthalate	0.830	0.0935	"	0.935	ND	88.8	10-180		13.8	30	
Fluoranthene	0.744	0.0935	"	0.935	ND	79.6	10-160		10.2	30	
Fluorene	0.715	0.0935	"	0.935	ND	76.5	10-157		6.67	30	
Hexachlorobenzene	0.538	0.0935	"	0.935	ND	57.5	10-137		19.6	30	
Hexachlorobutadiene	0.602	0.0935	"	0.935	ND	64.4	10-132		11.0	30	
Hexachlorocyclopentadiene	0.0531	0.0935	"	0.935	ND	5.68	10-106	Low Bias	21.4	30	
Hexachloroethane	0.402	0.0935	"	0.935	ND	43.0	10-110		14.2	30	
Indeno(1,2,3-cd)pyrene	0.920	0.0935	"	0.935	ND	98.5	10-144		12.5	30	
Isophorone	0.597	0.0935	"	0.935	ND	63.9	10-132		11.6	30	
Naphthalene	0.707	0.0935	"	0.935	ND	75.7	10-141		11.6	30	
Nitrobenzene	0.531	0.0935	"	0.935	ND	56.8	10-131		15.2	30	
N-Nitrosodimethylamine	0.542	0.0935	"	0.935	ND	58.0	10-126		13.6	30	
N-nitroso-di-n-propylamine	0.520	0.0935	"	0.935	ND	55.7	10-125		13.2	30	
N-Nitrosodiphenylamine	0.866	0.0935	"	0.935	ND	92.6	10-177		11.8	30	
Pentachlorophenol	0.573	0.0935	"	0.935	ND	61.3	10-153		8.74	30	
Phenanthrene	0.777	0.0935	"	0.935	ND	83.1	10-148		8.04	30	
Phenol	0.636	0.0935	"	0.935	ND	68.1	10-126		15.2	30	
Pyrene	0.764	0.0935	"	0.935	ND	81.8	10-165		9.86	30	
Pyridine	0.502	0.375	"	0.935	ND	53.8	10-83		3.22	30	
Surrogate: SURR: 2-Fluorophenol	1.29		"	1.87		69.2	20-108				
Surrogate: SURR: Phenol-d5	1.20		"	1.87		64.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.533		"	0.935		57.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.670		"	0.935		71.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.70		"	1.87		90.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.764		"	0.935		81.8	24-116				



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 BB90224 - EPA 3550C

Blank (BB90224-BLK1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

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	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit

Batch BB90224 - EPA 3550C

Blank (BB90224-BLK1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

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: SURR: 2-Fluorophenol	1.51		"	1.67		90.8		20-108			
Surrogate: SURR: Phenol-d5	1.46		"	1.67		87.3		23-114			
Surrogate: SURR: Nitrobenzene-d5	0.782		"	0.833		93.8		22-108			
Surrogate: SURR: 2-Fluorobiphenyl	0.766		"	0.833		91.9		21-113			
Surrogate: SURR: 2,4,6-Tribromophenol	1.46		"	1.67		87.7		19-110			
Surrogate: SURR: Terphenyl-d14	0.818		"	0.833		98.1		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 BB90224 - EPA 3550C											
LCS (BB90224-BS1)											
Prepared: 02/05/2019 Analyzed: 02/06/2019											
1,1-Biphenyl	0.665	0.0417	mg/kg wet	0.833		79.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.729	0.0833	"	0.833		87.5	21-131				
1,2,4-Trichlorobenzene	0.663	0.0417	"	0.833		79.6	10-140				
1,2-Dichlorobenzene	0.608	0.0417	"	0.833		72.9	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.643	0.0417	"	0.833		77.2	17-137				
1,3-Dichlorobenzene	0.594	0.0417	"	0.833		71.3	33-110				
1,4-Dichlorobenzene	0.601	0.0417	"	0.833		72.1	32-104				
2,3,4,6-Tetrachlorophenol	1.40	0.0833	"	0.833		168	30-130	High Bias			
2,4,5-Trichlorophenol	0.610	0.0417	"	0.833		73.2	27-118				
2,4,6-Trichlorophenol	0.681	0.0417	"	0.833		81.7	31-120				
2,4-Dichlorophenol	0.716	0.0417	"	0.833		85.9	20-127				
2,4-Dimethylphenol	0.715	0.0417	"	0.833		85.8	14-132				
2,4-Dinitrophenol	0.306	0.0833	"	0.833		36.8	10-171				
2,4-Dinitrotoluene	0.677	0.0417	"	0.833		81.3	34-131				
2,6-Dinitrotoluene	0.712	0.0417	"	0.833		85.5	31-128				
2-Chloronaphthalene	0.647	0.0417	"	0.833		77.6	31-117				
2-Chlorophenol	0.656	0.0417	"	0.833		78.7	33-113				
2-Methylnaphthalene	0.676	0.0417	"	0.833		81.1	12-138				
2-Methylphenol	0.604	0.0417	"	0.833		72.5	10-136				
2-Nitroaniline	0.650	0.0833	"	0.833		78.0	27-132				
2-Nitrophenol	0.694	0.0417	"	0.833		83.3	17-129				
3- & 4-Methylphenols	0.568	0.0417	"	0.833		68.2	29-103				
3,3-Dichlorobenzidine	0.559	0.0417	"	0.833		67.1	22-149				
3-Nitroaniline	0.568	0.0833	"	0.833		68.2	20-133				
4,6-Dinitro-2-methylphenol	0.551	0.0833	"	0.833		66.1	10-143				
4-Bromophenyl phenyl ether	0.691	0.0417	"	0.833		82.9	29-120				
4-Chloro-3-methylphenol	0.690	0.0417	"	0.833		82.8	24-129				
4-Chloroaniline	0.470	0.0417	"	0.833		56.4	10-132				
4-Chlorophenyl phenyl ether	0.681	0.0417	"	0.833		81.7	27-124				
4-Nitroaniline	0.605	0.0833	"	0.833		72.6	16-128				
4-Nitrophenol	0.616	0.0833	"	0.833		73.9	10-141				
Acenaphthene	0.655	0.0417	"	0.833		78.6	30-121				
Acenaphthylene	0.663	0.0417	"	0.833		79.6	30-115				
Acetophenone	0.615	0.0417	"	0.833		73.8	20-112				
Aniline	0.652	0.167	"	0.833		78.3	10-119				
Anthracene	0.717	0.0417	"	0.833		86.0	34-118				
Atrazine	0.666	0.0417	"	0.833		79.9	26-112				
Benzaldehyde	0.662	0.0417	"	0.833		79.4	21-100				
Benzo(a)anthracene	0.671	0.0417	"	0.833		80.5	32-122				
Benzo(a)pyrene	0.700	0.0417	"	0.833		84.0	29-133				
Benzo(b)fluoranthene	0.686	0.0417	"	0.833		82.4	25-133				
Benzo(g,h,i)perylene	0.710	0.0417	"	0.833		85.2	10-143				
Benzo(k)fluoranthene	0.689	0.0417	"	0.833		82.7	25-128				
Benzoic acid	0.117	0.0417	"	0.897		13.1	10-140				
Benzyl alcohol	0.688	0.0417	"	0.833		82.6	30-115				
Benzyl butyl phthalate	0.746	0.0417	"	0.833		89.6	26-126				
Bis(2-chloroethoxy)methane	0.706	0.0417	"	0.833		84.8	19-132				
Bis(2-chloroethyl)ether	0.652	0.0417	"	0.833		78.3	19-125				
Bis(2-chloroisopropyl)ether	0.798	0.0417	"	0.833		95.7	20-135				
Bis(2-ethylhexyl)phthalate	0.711	0.0417	"	0.833		85.4	10-155				
Caprolactam	0.658	0.0833	"	0.833		79.0	10-127				



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 BB90224 - EPA 3550C

LCS (BB90224-BS1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Carbazole	0.674	0.0417	mg/kg wet	0.833		80.9	35-123				
Chrysene	0.699	0.0417	"	0.833		83.9	32-123				
Dibenzo(a,h)anthracene	0.722	0.0417	"	0.833		86.6	10-136				
Dibenzofuran	0.632	0.0417	"	0.833		75.9	29-121				
Diethyl phthalate	0.673	0.0417	"	0.833		80.7	34-116				
Dimethyl phthalate	0.557	0.0417	"	0.833		66.8	35-124				
Di-n-butyl phthalate	0.700	0.0417	"	0.833		84.0	31-116				
Di-n-octyl phthalate	0.730	0.0417	"	0.833		87.6	26-136				
Fluoranthene	0.711	0.0417	"	0.833		85.4	33-122				
Fluorene	0.662	0.0417	"	0.833		79.5	29-123				
Hexachlorobenzene	0.650	0.0417	"	0.833		78.0	21-124				
Hexachlorobutadiene	0.666	0.0417	"	0.833		80.0	10-149				
Hexachlorocyclopentadiene	0.444	0.0417	"	0.833		53.3	10-129				
Hexachloroethane	0.593	0.0417	"	0.833		71.2	28-108				
Indeno(1,2,3-cd)pyrene	0.714	0.0417	"	0.833		85.7	10-135				
Isophorone	0.700	0.0417	"	0.833		84.0	20-132				
Naphthalene	0.695	0.0417	"	0.833		83.4	23-124				
Nitrobenzene	0.651	0.0417	"	0.833		78.1	13-132				
N-Nitrosodimethylamine	0.620	0.0417	"	0.833		74.4	11-129				
N-nitroso-di-n-propylamine	0.636	0.0417	"	0.833		76.3	24-119				
N-Nitrosodiphenylamine	0.808	0.0417	"	0.833		96.9	22-152				
Pentachlorophenol	0.572	0.0417	"	0.833		68.7	10-139				
Phenanthrene	0.711	0.0417	"	0.833		85.3	33-123				
Phenol	0.688	0.0417	"	0.833		82.5	23-115				
Pyrene	0.717	0.0417	"	0.833		86.0	32-130				
Pyridine	0.501	0.167	"	0.833		60.1	10-91				
Surrogate: SURR: 2-Fluorophenol	1.31		"	1.67		78.8	20-108				
Surrogate: SURR: Phenol-d5	1.27		"	1.67		76.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.677		"	0.833		81.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.682		"	0.833		81.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.39		"	1.67		83.1	19-110				
Surrogate: SURR: Terphenyl-d14	0.716		"	0.833		85.9	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					Limit	

Batch BB90048 - EPA 3550C

Blank (BB90048-BLK1)

Prepared: 02/01/2019 Analyzed: 02/03/2019

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

73.6

"

90.7

81.1

30-150

Surrogate: Tetrachloro-m-xylene

61.4

"

68.3

89.9

30-150

LCS (BB90048-BS1)

Prepared: 02/01/2019 Analyzed: 02/03/2019

4,4'-DDD	28.9	0.330	ug/kg wet	33.3	86.7	40-140
4,4'-DDE	34.4	0.330	"	33.3	103	40-140
4,4'-DDT	41.0	0.330	"	33.3	123	40-140
Aldrin	36.0	0.330	"	33.3	108	40-140
alpha-BHC	38.9	0.330	"	33.3	117	40-140
alpha-Chlordane	34.7	0.330	"	33.3	104	40-140
beta-BHC	35.7	0.330	"	33.3	107	40-140
delta-BHC	39.2	0.330	"	33.3	118	40-140
Dieldrin	36.0	0.330	"	33.3	108	40-140
Endosulfan I	33.2	0.330	"	33.3	99.6	40-140
Endosulfan II	36.5	0.330	"	33.3	109	40-140
Endosulfan sulfate	35.3	0.330	"	33.3	106	40-140
Endrin	36.6	0.330	"	33.3	110	40-140
Endrin aldehyde	28.2	0.330	"	33.3	84.6	40-140
Endrin ketone	36.1	0.330	"	33.3	108	40-140
gamma-BHC (Lindane)	36.8	0.330	"	33.3	110	40-140
gamma-Chlordane	34.2	0.330	"	33.3	103	40-140
Heptachlor	39.0	0.330	"	33.3	117	40-140
Heptachlor epoxide	34.0	0.330	"	33.3	102	40-140
Methoxychlor	29.4	1.65	"	33.3	88.3	40-140

Surrogate: Decachlorobiphenyl

79.4

"

90.7

87.6

30-150

Surrogate: Tetrachloro-m-xylene

67.6

"

68.3

98.9

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 BB90078 - EPA 3550C

Blank (BB90078-BLK1)

Prepared: 02/04/2019 Analyzed: 02/05/2019

4,4'-DDD	ND	0.329	ug/kg wet								
4,4'-DDE	ND	0.329	"								
4,4'-DDT	ND	0.329	"								
Aldrin	ND	0.329	"								
alpha-BHC	ND	0.329	"								
alpha-Chlordane	ND	0.329	"								
beta-BHC	ND	0.329	"								
Chlordane, total	ND	6.58	"								
delta-BHC	ND	0.329	"								
Dieldrin	ND	0.329	"								
Endosulfan I	ND	0.329	"								
Endosulfan II	ND	0.329	"								
Endosulfan sulfate	ND	0.329	"								
Endrin	ND	0.329	"								
Endrin aldehyde	ND	0.329	"								
Endrin ketone	ND	0.329	"								
gamma-BHC (Lindane)	ND	0.329	"								
gamma-Chlordane	ND	0.329	"								
Heptachlor	ND	0.329	"								
Heptachlor epoxide	ND	0.329	"								
Methoxychlor	ND	1.64	"								
Toxaphene	ND	16.6	"								

Surrogate: Decachlorobiphenyl

64.6

"

90.4

71.4

30-150

Surrogate: Tetrachloro-m-xylene

61.2

"

68.1

89.9

30-150

LCS (BB90078-BS1)

Prepared: 02/04/2019 Analyzed: 02/05/2019

4,4'-DDD	26.4	0.329	ug/kg wet	33.2	79.3	40-140
4,4'-DDE	31.8	0.329	"	33.2	95.7	40-140
4,4'-DDT	28.9	0.329	"	33.2	87.0	40-140
Aldrin	30.0	0.329	"	33.2	90.4	40-140
alpha-BHC	33.4	0.329	"	33.2	101	40-140
alpha-Chlordane	28.8	0.329	"	33.2	86.7	40-140
beta-BHC	30.1	0.329	"	33.2	90.6	40-140
delta-BHC	33.0	0.329	"	33.2	99.2	40-140
Dieldrin	29.2	0.329	"	33.2	87.9	40-140
Endosulfan I	31.0	0.329	"	33.2	93.5	40-140
Endosulfan II	29.8	0.329	"	33.2	89.5	40-140
Endosulfan sulfate	29.0	0.329	"	33.2	87.2	40-140
Endrin	28.8	0.329	"	33.2	86.7	40-140
Endrin aldehyde	24.6	0.329	"	33.2	74.2	40-140
Endrin ketone	30.7	0.329	"	33.2	92.3	40-140
gamma-BHC (Lindane)	30.7	0.329	"	33.2	92.6	40-140
gamma-Chlordane	28.4	0.329	"	33.2	85.6	40-140
Heptachlor	32.0	0.329	"	33.2	96.4	40-140
Heptachlor epoxide	28.9	0.329	"	33.2	86.9	40-140
Methoxychlor	25.7	1.64	"	33.2	77.4	40-140

Surrogate: Decachlorobiphenyl

62.9

"

90.4

69.6

30-150

Surrogate: Tetrachloro-m-xylene

57.5

"

68.1

84.5

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 Y9B0416 - BA91117

Performance Mix (Y9B0416-PEM1)

Prepared & Analyzed: 02/03/2019

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.243		"	0.00			0-200				
4,4'-DDT	362		"	200		181	0-200				
Endrin	114		"	100		114	0-200				
Endrin aldehyde	1.06		"	0.00			0-200				
Endrin ketone	5.43		"	0.00			0-200				

Batch Y9B0524 - BA90725

Performance Mix (Y9B0524-PEM1)

Prepared & Analyzed: 02/04/2019

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.647		"	0.00			0-200				
4,4'-DDT	331		"	200		165	0-200				
Endrin	116		"	100		116	0-200				
Endrin aldehyde	1.01		"	0.00			0-200				
Endrin ketone	6.76		"	0.00			0-200				

Batch Y9B0632 - BA90725

Performance Mix (Y9B0632-PEM1)

Prepared & Analyzed: 02/05/2019

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.244		"	0.00			0-200				
4,4'-DDT	287		"	200		143	0-200				
Endrin	98.7		"	100		98.7	0-200				
Endrin aldehyde	0.482		"	0.00			0-200				
Endrin ketone	4.26		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90048 - EPA 3550C

Blank (BB90048-BLK2)

Prepared: 02/01/2019 Analyzed: 02/04/2019

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

Surrogate: Tetrachloro-m-xylene	0.0753		"	0.0683		110	30-140				
Surrogate: Decachlorobiphenyl	0.0863		"	0.0907		95.2	30-140				

LCS (BB90048-BS2)

Prepared: 02/01/2019 Analyzed: 02/04/2019

Aroclor 1016	0.365	0.0167	mg/kg wet	0.333		110	40-130				
Aroclor 1260	0.403	0.0167	"	0.333		121	40-130				
Surrogate: Tetrachloro-m-xylene	0.0773		"	0.0683		113	30-140				
Surrogate: Decachlorobiphenyl	0.0887		"	0.0907		97.8	30-140				

Batch BB90078 - EPA 3550C

Matrix Spike (BB90078-MS2)

*Source sample: 19A1155-02 (LSB-8B)

Prepared: 02/04/2019 Analyzed: 02/05/2019

Aroclor 1016	0.286	0.0181	mg/kg dry	0.363	ND	78.7	40-140				
Aroclor 1260	0.280	0.0181	"	0.363	ND	77.2	40-140				
Surrogate: Tetrachloro-m-xylene	0.0653		"	0.0743		87.8	30-140				
Surrogate: Decachlorobiphenyl	0.0624		"	0.0986		63.2	30-140				

Matrix Spike Dup (BB90078-MSD2)

*Source sample: 19A1155-02 (LSB-8B)

Prepared: 02/04/2019 Analyzed: 02/05/2019

Aroclor 1016	0.269	0.0181	mg/kg dry	0.363	ND	74.2	40-140	5.99	50		
Aroclor 1260	0.279	0.0181	"	0.363	ND	77.1	40-140	0.156	50		
Surrogate: Tetrachloro-m-xylene	0.0638		"	0.0743		85.9	30-140				
Surrogate: Decachlorobiphenyl	0.0653		"	0.0986		66.2	30-140				



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 BA91410 - EPA 3050B

Blank (BA91410-BLK1)

Prepared: 01/30/2019 Analyzed: 02/04/2019

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Reference (BA91410-SRM1)

Prepared: 01/30/2019 Analyzed: 02/04/2019

Aluminum	8330	5.00	mg/kg wet	8360	99.7	39.4-160.5
Antimony	85.7	2.50	"	75.5	113	25.1-275.7
Arsenic	175	1.50	"	161	109	69.9-132.9
Barium	270	2.50	"	260	104	71.5-136.3
Beryllium	102	0.050	"	97.6	104	75.4-138.1
Cadmium	223	0.300	"	211	106	73.3-141.5
Calcium	5090	5.00	"	4760	107	73.7-136.1
Chromium	142	0.500	"	136	105	69.1-143.3
Cobalt	54.1	0.400	"	48.2	112	74.6-142
Copper	183	2.00	"	166	110	72.7-141.6
Iron	15400	25.0	"	14100	109	35.6-163.9
Lead	118	0.500	"	111	107	70.8-137.1
Magnesium	2400	5.00	"	2340	103	63.6-136.1
Manganese	241	0.500	"	228	106	75.7-134.3
Nickel	111	1.00	"	91.9	120	70.7-146.3
Potassium	2170	5.00	"	2020	107	59.8-140.2
Selenium	161	2.50	"	191	84.4	67.1-136.8
Silver	45.6	0.500	"	43.3	105	66.5-139.5
Sodium	261	50.0	"	218	120	40.6-159.8
Thallium	165	2.50	"	156	106	68-136.2
Vanadium	58.1	1.00	"	56.7	103	58.9-141.8
Zinc	206	2.50	"	199	104	69.5-131.1



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB90244 - EPA 7473 soil											
Blank (BB90244-BLK1)											
										Prepared & Analyzed: 02/05/2019	
Mercury	ND	0.0300	mg/kg wet								
Reference (BB90244-SRM1)											
										Prepared & Analyzed: 02/05/2019	
Mercury	2.9347		mg/kg	3.71		79.1	65-135				



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 BB90058 - % Solids Prep

Duplicate (BB90058-DUP1)	*Source sample: 19A1155-09 (LSB-9A)					Prepared: 02/01/2019 Analyzed: 02/04/2019					
% Solids	88.7	0.100	%		88.3				0.435	20	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB90024 - EPA SW846-3060											
Blank (BB90024-BLK1)										Prepared & Analyzed: 02/01/2019	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BB90024-DUP1)										*Source sample: 19A1155-02 (LSB-8B) Prepared & Analyzed: 02/01/2019	
Chromium, Hexavalent	ND	0.546	mg/kg dry		ND						35
Matrix Spike (BB90024-MS1)										*Source sample: 19A1155-02 (LSB-8B) Prepared & Analyzed: 02/01/2019	
Chromium, Hexavalent	19.9	0.546	mg/kg dry	21.8	ND	91.2	75-125				
Reference (BB90024-SRM1)										Prepared & Analyzed: 02/01/2019	
Chromium, Hexavalent	68.9		mg/L	76.9		89.6	0-200				
Batch BB90084 - EPA SW846-3060											
Blank (BB90084-BLK1)										Prepared & Analyzed: 02/04/2019	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BB90084-SRM1)										Prepared & Analyzed: 02/04/2019	
Chromium, Hexavalent	63.4		mg/L	76.9		82.5	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19A1155-01	LSB-8A	40mL Vial with Stir Bar-Cool 4° C
19A1155-02	LSB-8B	40mL Vial with Stir Bar-Cool 4° C
19A1155-03	LSB-5A	40mL Vial with Stir Bar-Cool 4° C
19A1155-04	LSB-5B	40mL Vial with Stir Bar-Cool 4° C
19A1155-05	LSB-10A	40mL Vial with Stir Bar-Cool 4° C
19A1155-06	LSB-10B	40mL Vial with Stir Bar-Cool 4° C
19A1155-07	LSB-4A	40mL Vial with Stir Bar-Cool 4° C
19A1155-08	LSB-4B	40mL Vial with Stir Bar-Cool 4° C
19A1155-09	LSB-9A	40mL Vial with Stir Bar-Cool 4° C
19A1155-10	LSB-9B	40mL Vial with Stir Bar-Cool 4° C
19A1155-11	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-06	Compound was below 10% recovery due to degradation of compound in spiking mixture. All calibration criteria has been met.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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).

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



YOUR Information

Company: *Long Engineers*
 Address: *300 Kimball Drive*
 Phone: *973 560 4900*
 Contact: *Matthew Orsica*
 E-mail: *molester@mp.com*

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

Sam Harris
[Signature]

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

Sample Identification

LSB-8A
 LSB-8B
 LSB-8A
 LSB-8B
 LSB-10A
 LSB-10B
 LSB-41A
 LSB-41B
 LSB-9A
 LSB-9B

Field Chain-of-Custody Record

YORK Project No.

19A1155

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 *2*

Report To:
 Company: _____
 Address: *SAME*
 Phone: _____
 Contact: _____
 E-mail: _____

Invoice To:
 Company: _____
 Address: *SAME*
 Phone: _____
 Contact: _____
 E-mail: _____

YOUR Project Number
100 646 801

YOUR Project Name
60 Norfolk

Turn-Around Time
 RUSH - Next Day
 RUSH - Two Day
 RUSH - Three Day
 RUSH - Four Day
 Standard (5-7 Day)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	Summary Report	Compared to the following Regulation(s): (please list in)
GW - groundwater	New Jersey	QA Report	Standard Excel EDD
DW - drinking water	Connecticut	NY ASP A Package	EquiS (Standard)
WW - wastewater	Pennsylvania	NY ASP B Package	NYSDEC EquiS
O - Oil ; Other	Other		NJDEP SRP HazSite
			Other:

Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
S	1/28/19 0735	VOL, SVOC, PCBs, Total Metals	1x 8oz 4x40ml Vials
S	0805	Hexavalent Chromium	
S	0845		
S	0915		
S	1100		
S	1115		
S	1140		
S	1200		
S	1430		
S	1445		

Comments:	Preservation: (check all that apply)	Special Instruction
	HCl <input type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other: _____	Field Filtered Lab to Filter <input checked="" type="checkbox"/>
<i>Sample Long</i>	<i>1/28/19 1545</i>	<i>1/28/19 17:00</i>
<i>and York</i>	<i>1/28/19 17:10</i>	
		<i>1.8</i>



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com



YOUR Information

Company: *Langer Engineering*
Address: *300 Kimball Dr. Parsippany NJ*
Phone: *973-560-4900*
Contact: *Matthew Oleske*
E-mail: *mole@langer.com*

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

Sam Haines
Samples Collected by: (print your name above and sign below)
Sam Haines

Sample Identification

Trip Blank

Report To:

Company: *SAME*
Address: *SAME*
Phone: *SAME*
Contact: *SAME*
E-mail: *SAME*

Invoice To:

Company: *SAME*
Address: *SAME*
Phone: *SAME*
Contact: *SAME*
E-mail: *SAME*

YOUR Project Number

100646801

YOUR Project Name

60 Norfolk

YOUR PO#:

Turn-Around Time

RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
Standard (5-7 Day)

YORK Project No. *19A1155*

Page ___ of ___

Field Chain-of-Custody Record

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.

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Summary Report Standard Excel EDD
QA Report EQUIS (Standard)
NY ASP A Package NYSDEC EQUIS
NJ DEP Reduced Deliverables NJ DEP SRP HazSite
NY ASP B Package Other: *NJDKQP*

Report / EDD Type (circle selections)

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Container Description

3x 40ml vials

Analysis Requested

VOCs

Date/Time Sampled

1/28

Sample Matrix

AG

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil / Other

Samples From

New York
New Jersey
Connecticut
Pennsylvania
Other

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO₃ ___ H₂SO₄ ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Temp. Received at Lab	Degrees C
<i>Langer</i>	<i>1/28/19 15:45</i>	<i>Schuyler York</i>	<i>1/28/19 15:40</i>	<i>Schuyler York</i>	<i>1/28/19 17:15</i>		
<i>York</i>	<i>1/28/19 17:15</i>	<i>Stratford York</i>	<i>1/28/19 19:10</i>	<i>TC Haines</i>	<i>1/28/19 19:10</i>	<i>1.8</i>	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

Report Date: 02/07/2019
Client Project ID: 100646801
York Project (SDG) No.: 19A1225

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/07/2019
Client Project ID: 100646801
York Project (SDG) No.: 19A1225

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

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 January 29, 2019 and listed below. The project was identified as your project: **100646801**.

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>
19A1225-01	LSB-2A	Soil	01/29/2019	01/29/2019
19A1225-02	LSB-2B	Soil	01/29/2019	01/29/2019
19A1225-03	LSB-6A	Soil	01/29/2019	01/29/2019
19A1225-04	LSB-6B	Soil	01/29/2019	01/29/2019
19A1225-05	SB-Trip Blank	Water	01/29/2019	01/29/2019

General Notes for York Project (SDG) No.: 19A1225

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/07/2019





Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19A1225	100646801	Soil	January 29, 2019 8:30 am	01/29/2019

Volatiles, 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	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 18:53	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 18:53	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications:	02/04/2019 06:55	02/04/2019 18:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 8:30 am

01/29/2019

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 18:53	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
67-64-1	Acetone	0.021	CCV-E	mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 8:30 am

01/29/2019

Volatiles, 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
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications:	02/04/2019 06:55	02/04/2019 18:53	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-09-2	Methylene chloride	0.0063	J	mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

York Project (SDG) No.

Client Project ID

Matrix

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19A1225

100646801

Soil

January 29, 2019 8:30 am

01/29/2019

Volatiles, 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
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 18:53	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 18:53	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.0 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	76-130								

Semivolatiles, 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	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

York Project (SDG) No.

Client Project ID

Matrix

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19A1225

100646801

Soil

January 29, 2019 8:30 am

01/29/2019

Semivolatiles, 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	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
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	02/05/2019 08:13	02/05/2019 17:16	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
83-32-9	Acenaphthene	0.234		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
208-96-8	Acenaphthylene	0.549		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

York Project (SDG) No.

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Matrix

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19A1225

100646801

Soil

January 29, 2019 8:30 am

01/29/2019

Semivolatiles, 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	0.193	0.387	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
120-12-7	Anthracene	0.826		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
92-87-5	Benzidine	ND		mg/kg dry	0.193	0.387	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
56-55-3	Benzo(a)anthracene	3.74		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/06/2019 12:17	SR
50-32-8	Benzo(a)pyrene	2.29		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/06/2019 12:17	SR
205-99-2	Benzo(b)fluoranthene	2.93		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
191-24-2	Benzo(g,h,i)perylene	2.22		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
207-08-9	Benzo(k)fluoranthene	2.75		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
85-68-7	Benzyl butyl phthalate	0.0532	J	mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0486	J	mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0965	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
86-74-8	Carbazole	0.269		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
218-01-9	Chrysene	3.85		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/06/2019 12:17	SR
53-70-3	Dibenzo(a,h)anthracene	0.762		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
132-64-9	Dibenzofuran	0.0787	J	mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 8:30 am	<u>Date Received</u> 01/29/2019
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Semivolatiles, 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
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
206-44-0	Fluoranthene	6.83		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/06/2019 12:17	SR
86-73-7	Fluorene	0.223		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.90		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
91-20-3	Naphthalene	0.0610	J	mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
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	02/05/2019 08:13	02/05/2019 17:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
85-01-8	Phenanthrene	3.25		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/06/2019 12:17	SR
108-95-2	Phenol	ND		mg/kg dry	0.0484	0.0965	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
129-00-0	Pyrene	7.23		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/06/2019 12:17	SR
110-86-1	Pyridine	ND		mg/kg dry	0.193	0.387	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:16	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.5 %	20-108								



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 8:30 am	<u>Date Received</u> 01/29/2019
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Semivolatiles, 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
4165-62-2	Surrogate: SURR: Phenol-d5	69.0 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	33.3 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.0 %			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	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
50-29-3	4,4'-DDT	19.4		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
309-00-2	Aldrin	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
5103-71-9	alpha-Chlordane	5.06		ug/kg dry	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2019 08:07	02/07/2019 07:19	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
57-74-9	Chlordane, total	ND		ug/kg dry	38.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
60-57-1	Dieldrin	4.11		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/05/2019 08:07	02/07/2019 07:19	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
72-20-8	Endrin	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 8:30 am	<u>Date Received</u> 01/29/2019
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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
5566-34-7	gamma-Chlordane	4.48		ug/kg dry	1.90	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2019 08:07	02/07/2019 07:19	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.52	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
8001-35-2	Toxaphene	ND		ug/kg dry	96.3	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:19	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	76.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	58.6 %	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	02/05/2019 08:07	02/06/2019 19:48	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 19:48	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 19:48	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 19:48	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 19:48	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 19:48	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 19:48	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	02/05/2019 08:07	02/06/2019 19:48	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	82.2 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	74.6 %	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
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Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 8:30 am	<u>Date Received</u> 01/29/2019
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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
7429-90-5	Aluminum	11000		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-36-0	Antimony	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-38-2	Arsenic	4.92		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-39-3	Barium	391		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-43-9	Cadmium	0.770		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-70-2	Calcium	70500		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-47-3	Chromium	14.8		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-48-4	Cobalt	5.60		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-50-8	Copper	40.6		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7439-89-6	Iron	11800		mg/kg dry	29.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7439-92-1	Lead	336		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7439-95-4	Magnesium	6140		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7439-96-5	Manganese	306		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-02-0	Nickel	14.5		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-09-7	Potassium	1530		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-22-4	Silver	ND		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-23-5	Sodium	791		mg/kg dry	58.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML
7440-62-2	Vanadium	26.4		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML



Sample Information

Client Sample ID: LSB-2A

York Sample ID: 19A1225-01

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 8:30 am	<u>Date Received</u> 01/29/2019
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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
7440-66-6	Zinc	372		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:17	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.22		mg/kg dry	0.0348	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/06/2019 09:21	02/06/2019 09:38	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.1		%	0.100	1	SM 2540G Certifications: CTDOH	02/04/2019 13:18	02/04/2019 17:17	TJM

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	0.581	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/05/2019 09:15	02/05/2019 16:27	MAC

Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 9:00 am	<u>Date Received</u> 01/29/2019
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Volatiles, 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	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 9:00 am

01/29/2019

Volatiles, 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
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 19:21	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 19:21	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	02/04/2019 06:55	02/04/2019 19:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 19:21	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 9:00 am

01/29/2019

Volatiles, 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	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
67-64-1	Acetone	0.017	CCV-E	mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 9:00 am

01/29/2019

Volatiles, 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	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C Certifications:	02/04/2019 06:55	02/04/2019 19:21	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.025	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS



Sample Information

Client Sample ID: LSB-2B

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Soil

January 29, 2019 9:00 am

01/29/2019

Volatiles, 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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:21	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 19:21	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.1 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.3 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.0 %			76-130						

Semivolatiles, 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	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

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100646801

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Semivolatiles, 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
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
62-53-3	Aniline	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR



Sample Information

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100646801

Soil

January 29, 2019 9:00 am

01/29/2019

Semivolatiles, 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
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR



Sample Information

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100646801

Soil

January 29, 2019 9:00 am

01/29/2019

Semivolatiles, 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
206-44-0	Fluoranthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
108-95-2	Phenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 17:48	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURRE: 2-Fluorophenol	66.6 %	20-108
4165-62-2	Surrogate: SURRE: Phenol-d5	64.7 %	23-114
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	68.8 %	22-108
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	68.2 %	21-113
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	68.6 %	19-110
1718-51-0	Surrogate: SURRE: Terphenyl-d14	71.0 %	24-116



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 9:00 am	<u>Date Received</u> 01/29/2019
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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	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
309-00-2	Aldrin	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2019 08:07	02/07/2019 07:35	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
57-74-9	Chlordane, total	ND		ug/kg dry	39.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/05/2019 08:07	02/07/2019 07:35	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
72-20-8	Endrin	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2019 08:07	02/07/2019 07:35	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.96	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM
8001-35-2	Toxaphene	ND		ug/kg dry	99.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:35	CM

Surrogate Recoveries	Result	Acceptance Range
2051-24-3 Surrogate: Decachlorobiphenyl	69.7 %	30-150



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 9:00 am	<u>Date Received</u> 01/29/2019
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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	82.8 %			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	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:02	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:02	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:02	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:02	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:02	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:02	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:02	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	02/05/2019 08:07	02/06/2019 20:02	TJD

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	89.1 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	75.6 %	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	6320		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-36-0	Antimony	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-39-3	Barium	29.9		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 9:00 am

01/29/2019

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	1560		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-47-3	Chromium	13.8		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-48-4	Cobalt	6.76		mg/kg dry	0.479	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-50-8	Copper	13.3		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7439-89-6	Iron	12200		mg/kg dry	29.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7439-92-1	Lead	4.45		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7439-95-4	Magnesium	3010		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7439-96-5	Manganese	393		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-02-0	Nickel	30.8		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-09-7	Potassium	1580		mg/kg dry	5.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-22-4	Silver	ND		mg/kg dry	0.598	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-23-5	Sodium	151		mg/kg dry	59.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-28-0	Thallium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-62-2	Vanadium	15.6		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML
7440-66-6	Zinc	50.6		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:19	BML

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	0.0359	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/06/2019 09:21	02/06/2019 09:50	SY

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-2B

York Sample ID: 19A1225-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1225, 100646801, Soil, January 29, 2019 9:00 am, 01/29/2019

Sample Prepared by Method: % Solids Prep

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: % Solids, 83.6, 0.100, 1, SM 2540G, 02/04/2019 13:18, 02/04/2019 17:17, TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

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: Chromium, Hexavalent, ND, mg/kg dry, 0.598, 1, EPA 7196A, 02/05/2019 09:15, 02/05/2019 16:27, MAC

Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1225, 100646801, Soil, January 29, 2019 1:35 pm, 01/29/2019

Volatiles, 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 volatile compounds like Tetrachloroethane, Trichloroethane, etc.



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 1:35 pm

01/29/2019

Volatiles, 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	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 19:50	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
67-64-1	Acetone	0.012	CCV-E	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 1:35 pm

01/29/2019

Volatiles, 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	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications:	02/04/2019 06:55	02/04/2019 19:50	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 1:35 pm

01/29/2019

Volatiles, 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
75-09-2	Methylene chloride	0.0055	J	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.025	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
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	02/04/2019 06:55	02/04/2019 19:50	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 19:50	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 19:50	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %			76-130						

Semivolatiles, 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 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: LSB-6A

York Sample ID: 19A1225-03

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 1:35 pm	<u>Date Received</u> 01/29/2019
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Semivolatiles, 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	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 1:35 pm

01/29/2019

Semivolatiles, 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	0.0909	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
83-32-9	Acenaphthene	0.259		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
208-96-8	Acenaphthylene	0.423		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
120-12-7	Anthracene	1.35		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
100-52-7	Benzaldehyde	0.250	CCV-E	mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
56-55-3	Benzo(a)anthracene	2.44		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
50-32-8	Benzo(a)pyrene	2.17		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
205-99-2	Benzo(b)fluoranthene	1.82		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
191-24-2	Benzo(g,h,i)perylene	1.48		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
207-08-9	Benzo(k)fluoranthene	1.86		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
65-85-0	Benzoic acid	0.127		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 1:35 pm

01/29/2019

Semivolatiles, 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	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.144		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0909	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
86-74-8	Carbazole	0.354		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
218-01-9	Chrysene	2.58		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
53-70-3	Dibenzo(a,h)anthracene	0.469		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
132-64-9	Dibenzofuran	0.107		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
206-44-0	Fluoranthene	4.38		mg/kg dry	0.114	0.227	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 13:28	SR
86-73-7	Fluorene	0.257		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.25		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
91-20-3	Naphthalene	0.0778	J	mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 1:35 pm	<u>Date Received</u> 01/29/2019
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Semivolatiles, 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	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
85-01-8	Phenanthrene	2.78		mg/kg dry	0.114	0.227	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 13:28	SR
108-95-2	Phenol	ND		mg/kg dry	0.0456	0.0909	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
129-00-0	Pyrene	4.03		mg/kg dry	0.114	0.227	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 13:28	SR
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/07/2019 10:20	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	28.6 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	60.2 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.6 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.5 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	6.36 %	S-09	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.0 %		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	20.5		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
50-29-3	4,4'-DDT	128		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
309-00-2	Aldrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
5103-71-9	alpha-Chlordane	4.85		ug/kg dry	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2019 08:07	02/07/2019 07:50	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 1:35 pm	<u>Date Received</u> 01/29/2019
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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	36.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/05/2019 08:07	02/07/2019 07:50	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
72-20-8	Endrin	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
5566-34-7	gamma-Chlordane	4.03		ug/kg dry	1.80	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/05/2019 08:07	02/07/2019 07:50	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.99	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
8001-35-2	Toxaphene	ND		ug/kg dry	91.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 07:50	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	81.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:15	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:15	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:15	TJD



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 1:35 pm

01/29/2019

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	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:15	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:15	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:15	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:15	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	02/05/2019 08:07	02/06/2019 20:15	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.7 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	82.1 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7920		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-38-2	Arsenic	5.20		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-39-3	Barium	520		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-43-9	Cadmium	0.585		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-70-2	Calcium	49400		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-47-3	Chromium	17.3		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-48-4	Cobalt	4.27		mg/kg dry	0.443	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-50-8	Copper	18.6		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7439-89-6	Iron	10100		mg/kg dry	27.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7439-92-1	Lead	255		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7439-95-4	Magnesium	3770		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML



Sample Information

Client Sample ID: LSB-6A

York Sample ID: 19A1225-03

York Project (SDG) No.

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Matrix

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19A1225

100646801

Soil

January 29, 2019 1:35 pm

01/29/2019

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	179		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-02-0	Nickel	14.3		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-09-7	Potassium	805		mg/kg dry	5.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-23-5	Sodium	817		mg/kg dry	55.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-62-2	Vanadium	25.5		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML
7440-66-6	Zinc	260		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:27	BML

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	0.302		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/06/2019 09:21	02/06/2019 09:58	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.2		%	0.100	1	SM 2540G Certifications: CTDOH	02/04/2019 13:19	02/04/2019 17:37	TJM

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	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/05/2019 09:17	02/05/2019 16:33	MAC



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 2:00 pm

01/29/2019

Volatiles, 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	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 20:18	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 20:18	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	02/04/2019 06:55	02/04/2019 20:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

Client Project ID

Matrix

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19A1225

100646801

Soil

January 29, 2019 2:00 pm

01/29/2019

Volatiles, 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	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 20:18	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
67-64-1	Acetone	0.015	CCV-E	mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

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Matrix

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Soil

January 29, 2019 2:00 pm

01/29/2019

Volatiles, 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	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0037	0.0075	1	EPA 8260C Certifications:	02/04/2019 06:55	02/04/2019 20:18	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

Client Project ID

Matrix

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19A1225

100646801

Soil

January 29, 2019 2:00 pm

01/29/2019

Volatiles, 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
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 06:55	02/04/2019 20:18	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 06:55	02/04/2019 20:18	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	96.2 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	97.6 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	93.8 %			76-130						

Semivolatiles, 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	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 2:00 pm

01/29/2019

Semivolatiles, 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	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
62-53-3	Aniline	ND		mg/kg dry	0.173	0.345	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 2:00 pm

01/29/2019

Semivolatiles, 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	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
92-87-5	Benzidine	ND		mg/kg dry	0.173	0.345	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 2:00 pm	<u>Date Received</u> 01/29/2019
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Semivolatiles, 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	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
108-95-2	Phenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR
110-86-1	Pyridine	ND		mg/kg dry	0.173	0.345	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:13	02/05/2019 18:51	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	69.4 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	66.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.3 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	70.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	73.6 %	19-110



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 2:00 pm

01/29/2019

Semivolatiles, 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. Row 1: 1718-51-0, Surrogate: SURR: Terphenyl-d14, 75.0 %, 24-116

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. Rows include 72-54-8 (4,4'-DDD), 72-55-9 (4,4'-DDE), 50-29-3 (4,4'-DDT), 309-00-2 (Aldrin), 319-84-6 (alpha-BHC), 5103-71-9 (alpha-Chlordane), 319-85-7 (beta-BHC), 57-74-9 (Chlordane, total), 319-86-8 (delta-BHC), 60-57-1 (Dieldrin), 959-98-8 (Endosulfan I), 33213-65-9 (Endosulfan II), 1031-07-8 (Endosulfan sulfate), 72-20-8 (Endrin), 7421-93-4 (Endrin aldehyde), 53494-70-5 (Endrin ketone), 58-89-9 (gamma-BHC (Lindane)), 5566-34-7 (gamma-Chlordane), 76-44-8 (Heptachlor), 1024-57-3 (Heptachlor epoxide)



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 29, 2019 2:00 pm	<u>Date Received</u> 01/29/2019
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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	8.50	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 08:05	CM
8001-35-2	Toxaphene	ND		ug/kg dry	86.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:07	02/07/2019 08:05	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	113 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	91.7 %		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	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:29	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:29	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:29	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:29	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:29	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:29	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 08:07	02/06/2019 20:29	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications:	02/05/2019 08:07	02/06/2019 20:29	TJD
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	98.0 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	95.0 %		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	2710		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-36-0	Antimony	ND		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML



Sample Information

Client Sample ID: LSB-6B

York Sample ID: 19A1225-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Soil

January 29, 2019 2:00 pm

01/29/2019

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	27.4		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.311	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-70-2	Calcium	764		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-47-3	Chromium	6.97		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-48-4	Cobalt	4.41		mg/kg dry	0.415	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-50-8	Copper	7.94		mg/kg dry	2.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7439-89-6	Iron	5460		mg/kg dry	25.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7439-92-1	Lead	1.38		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7439-95-4	Magnesium	1560		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7439-96-5	Manganese	161		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-02-0	Nickel	14.9		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-09-7	Potassium	553		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7782-49-2	Selenium	ND		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-22-4	Silver	ND		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-23-5	Sodium	89.3		mg/kg dry	51.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-28-0	Thallium	ND		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-62-2	Vanadium	6.70		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML
7440-66-6	Zinc	9.62		mg/kg dry	2.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 13:25	02/05/2019 19:29	BML

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: LSB-6B

York Sample ID: 19A1225-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1225, 100646801, Soil, January 29, 2019 2:00 pm, 01/29/2019

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 7439-97-6 Mercury, ND, mg/kg dry, 0.0311, 1, EPA 7473, 02/06/2019 09:21, 02/06/2019 10:07, SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: solids * % Solids, 96.4, %, 0.100, 1, SM 2540G, 02/04/2019 13:19, 02/04/2019 17:37, TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

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: 18540-29-9 Chromium, Hexavalent, ND, mg/kg dry, 0.519, 1, EPA 7196A, 02/05/2019 09:17, 02/05/2019 16:33, MAC

Sample Information

Client Sample ID: SB-Trip Blank

York Sample ID: 19A1225-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1225, 100646801, Water, January 29, 2019 12:00 am, 01/29/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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: 630-20-6, 71-55-6, 79-34-5, 76-13-1, 79-00-5, 75-34-3



Sample Information

Client Sample ID: SB-Trip Blank

York Sample ID: 19A1225-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1225

100646801

Water

January 29, 2019 12:00 am

01/29/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 21:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 21:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS



Sample Information

Client Sample ID: SB-Trip Blank

York Sample ID: 19A1225-05

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 29, 2019 12:00 am	<u>Date Received</u> 01/29/2019
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS



Sample Information

Client Sample ID: SB-Trip Blank

York Sample ID: 19A1225-05

<u>York Project (SDG) No.</u> 19A1225	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 29, 2019 12:00 am	<u>Date Received</u> 01/29/2019
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:36	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 21:36	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.0 %	70-130
2037-26-5	Surrogate: SURR: Toluene-d8	90.8 %	70-130
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.2 %	70-130



Sample Information

Client Sample ID: SB-Trip Blank

York Sample ID: 19A1225-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19A1225	100646801	Water	January 29, 2019 12:00 am	01/29/2019



Analytical Batch Summary

Batch ID: BB90090 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-01	LSB-2A	02/04/19
19A1225-02	LSB-2B	02/04/19
19A1225-03	LSB-6A	02/04/19
19A1225-04	LSB-6B	02/04/19
BB90090-BLK1	Blank	02/04/19
BB90090-BS1	LCS	02/04/19
BB90090-BSD1	LCS Dup	02/04/19

Batch ID: BB90091 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-05	SB-Trip Blank	02/04/19
BB90091-BLK1	Blank	02/04/19
BB90091-BS1	LCS	02/04/19
BB90091-BSD1	LCS Dup	02/04/19

Batch ID: BB90130 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-01	LSB-2A	02/04/19
19A1225-02	LSB-2B	02/04/19
BB90130-DUP1	Duplicate	02/04/19

Batch ID: BB90131 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-03	LSB-6A	02/04/19
19A1225-04	LSB-6B	02/04/19

Batch ID: BB90134 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-01	LSB-2A	02/04/19
19A1225-02	LSB-2B	02/04/19
19A1225-03	LSB-6A	02/04/19
19A1225-04	LSB-6B	02/04/19
BB90134-BLK1	Blank	02/04/19
BB90134-DUP1	Duplicate	02/04/19
BB90134-MS1	Matrix Spike	02/04/19
BB90134-SRM1	Reference	02/04/19



Batch ID: BB90170

Preparation Method: EPA 3550C

Prepared By: SGM

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-01	LSB-2A	02/05/19
19A1225-01	LSB-2A	02/05/19
19A1225-02	LSB-2B	02/05/19
19A1225-02	LSB-2B	02/05/19
19A1225-03	LSB-6A	02/05/19
19A1225-03	LSB-6A	02/05/19
19A1225-04	LSB-6B	02/05/19
19A1225-04	LSB-6B	02/05/19
BB90170-BLK1	Blank	02/05/19
BB90170-BLK2	Blank	02/05/19
BB90170-BS1	LCS	02/05/19
BB90170-BS2	LCS	02/05/19

Batch ID: BB90172

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-01	LSB-2A	02/05/19
19A1225-01RE1	LSB-2A	02/05/19
19A1225-02	LSB-2B	02/05/19
19A1225-04	LSB-6B	02/05/19
BB90172-BLK1	Blank	02/05/19
BB90172-BS1	LCS	02/05/19
BB90172-MS1	Matrix Spike	02/05/19
BB90172-MSD1	Matrix Spike Dup	02/05/19

Batch ID: BB90188

Preparation Method: EPA SW846-3060

Prepared By: MAC

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-01	LSB-2A	02/05/19
19A1225-02	LSB-2B	02/05/19
BB90188-BLK1	Blank	02/05/19
BB90188-DUP1	Duplicate	02/05/19
BB90188-MS1	Matrix Spike	02/05/19
BB90188-SRM1	Reference	02/05/19

Batch ID: BB90189

Preparation Method: EPA SW846-3060

Prepared By: MAC

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-03	LSB-6A	02/05/19
19A1225-04	LSB-6B	02/05/19
BB90189-BLK1	Blank	02/05/19
BB90189-SRM1	Reference	02/05/19

Batch ID: BB90282

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
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19A1225-01	LSB-2A	02/06/19
19A1225-02	LSB-2B	02/06/19
19A1225-03	LSB-6A	02/06/19
19A1225-04	LSB-6B	02/06/19
BB90282-BLK1	Blank	02/06/19
BB90282-SRM1	Reference	02/06/19

Batch ID: BB90317 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
19A1225-03	LSB-6A	02/05/19
19A1225-03RE1	LSB-6A	02/05/19
BB90317-BLK1	Blank	02/06/19
BB90317-BS1	LCS	02/06/19



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 BB90090 - EPA 5035A

Blank (BB90090-BLK1)

Prepared & Analyzed: 02/04/2019

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	"								
1,2,4,5-Tetramethylbenzene	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	"								



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								Level	

Batch BB90090 - EPA 5035A

Blank (BB90090-BLK1)

Prepared & Analyzed: 02/04/2019

Diisopropyl ether (DIPE)	ND	0.0080	mg/kg wet								
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	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.0</i>		<i>ug/L</i>	<i>50.0</i>		<i>100</i>		<i>77-125</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>48.8</i>		<i>"</i>	<i>50.0</i>		<i>97.5</i>		<i>85-120</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>47.9</i>		<i>"</i>	<i>50.0</i>		<i>95.8</i>		<i>76-130</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
Batch BB90090 - EPA 5035A										
LCS (BB90090-BS1)										
Prepared & Analyzed: 02/04/2019										
1,1,1,2-Tetrachloroethane	49.3		ug/L	50.0		98.6	75-129			30
1,1,1-Trichloroethane	47.3		"	50.0		94.7	70-130			30
1,1,2,2-Tetrachloroethane	48.5		"	50.0		97.1	70-130			30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.5		"	50.0		103	70-130			30
1,1,2-Trichloroethane	46.6		"	50.0		93.3	70-130			30
1,1-Dichloroethane	49.2		"	50.0		98.4	70-130			30
1,1-Dichloroethylene	47.9		"	50.0		95.8	70-130			30
1,1-Dichloropropylene	48.9		"	50.0		97.7	77-127			30
1,2,3-Trichlorobenzene	53.4		"	50.0		107	70-130			30
1,2,3-Trichloropropane	48.3		"	50.0		96.6	81-126			30
1,2,4,5-Tetramethylbenzene	49.1		"	50.0		98.2	63-156			30
1,2,4-Trichlorobenzene	51.5		"	50.0		103	70-130			30
1,2,4-Trimethylbenzene	47.1		"	50.0		94.2	84-125			30
1,2-Dibromo-3-chloropropane	46.6		"	50.0		93.3	40-160			30
1,2-Dibromoethane	50.4		"	50.0		101	70-130			30
1,2-Dichlorobenzene	50.2		"	50.0		100	70-130			30
1,2-Dichloroethane	48.0		"	50.0		95.9	70-130			30
1,2-Dichloropropane	47.7		"	50.0		95.4	70-130			30
1,3,5-Trimethylbenzene	47.1		"	50.0		94.1	82-126			30
1,3-Dichlorobenzene	49.3		"	50.0		98.7	70-130			30
1,3-Dichloropropane	48.7		"	50.0		97.5	83-123			30
1,4-Dichlorobenzene	49.1		"	50.0		98.1	70-130			30
1,4-Dioxane	1450		"	1050		138	40-160			30
2,2-Dichloropropane	47.8		"	50.0		95.7	67-136			30
2-Butanone	54.7		"	50.0		109	40-160			30
2-Chlorotoluene	45.4		"	50.0		90.7	78-127			30
2-Hexanone	53.9		"	50.0		108	40-160			30
4-Chlorotoluene	46.0		"	50.0		92.1	79-125			30
4-Methyl-2-pentanone	51.9		"	50.0		104	40-160			30
Acetone	48.8		"	50.0		97.6	40-160			30
Acrolein	38.4		"	50.0		76.8	10-238			30
Acrylonitrile	54.9		"	50.0		110	66-141			30
Benzene	49.4		"	50.0		98.8	70-130			30
Bromobenzene	45.8		"	50.0		91.6	77-129			30
Bromochloromethane	49.8		"	50.0		99.5	70-130			30
Bromodichloromethane	46.7		"	50.0		93.5	70-130			30
Bromoform	48.2		"	50.0		96.4	70-130			30
Bromomethane	60.5		"	50.0		121	40-160			30
Carbon disulfide	48.6		"	50.0		97.3	40-160			30
Carbon tetrachloride	48.2		"	50.0		96.5	70-130			30
Chlorobenzene	48.9		"	50.0		97.7	70-130			30
Chloroethane	56.7		"	50.0		113	51-142			30
Chloroform	48.6		"	50.0		97.1	70-130			30
Chloromethane	51.7		"	50.0		103	49-132			30
cis-1,2-Dichloroethylene	48.8		"	50.0		97.7	70-130			30
cis-1,3-Dichloropropylene	46.3		"	50.0		92.5	70-130			30
Cyclohexane	58.0		"	50.0		116	70-130			30
Dibromochloromethane	47.6		"	50.0		95.3	70-130			30
Dibromomethane	46.7		"	50.0		93.4	83-124			30
Dichlorodifluoromethane	47.8		"	50.0		95.7	40-160			30
Diisopropyl ether (DIPE)	51.7		"	50.0		103	70-130			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 BB90090 - EPA 5035A

LCS (BB90090-BS1)

Prepared & Analyzed: 02/04/2019

Ethyl Benzene	48.7		ug/L	50.0		97.4	70-130			30	
Hexachlorobutadiene	53.8		"	50.0		108	83-133			30	
Isopropylbenzene	47.1		"	50.0		94.2	70-130			30	
Methyl acetate	51.3		"	50.0		103	70-130			30	
Methyl tert-butyl ether (MTBE)	48.6		"	50.0		97.2	70-130			30	
Methylcyclohexane	49.5		"	50.0		99.0	70-130			30	
Methylene chloride	47.9		"	50.0		95.8	70-130			30	
n-Butylbenzene	43.0		"	50.0		86.0	80-130			30	
n-Propylbenzene	46.8		"	50.0		93.6	74-136			30	
o-Xylene	48.4		"	50.0		96.7	70-130			30	
p- & m- Xylenes	97.6		"	100		97.6	70-130			30	
p-Isopropyltoluene	49.2		"	50.0		98.5	85-125			30	
sec-Butylbenzene	50.4		"	50.0		101	83-125			30	
Styrene	49.3		"	50.0		98.7	70-130			30	
tert-Butyl alcohol (TBA)	264		"	250		106	70-130			30	
tert-Butylbenzene	43.1		"	50.0		86.3	80-127			30	
Tetrachloroethylene	47.5		"	50.0		95.0	70-130			30	
Toluene	48.6		"	50.0		97.1	70-130			30	
trans-1,2-Dichloroethylene	48.7		"	50.0		97.3	70-130			30	
trans-1,3-Dichloropropylene	45.1		"	50.0		90.2	70-130			30	
Trichloroethylene	48.1		"	50.0		96.2	70-130			30	
Trichlorofluoromethane	48.6		"	50.0		97.3	40-160			30	
Vinyl Chloride	53.3		"	50.0		107	70-130			30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	49.6		"	50.0		99.2	77-125				
Surrogate: SURRE: Toluene-d8	49.0		"	50.0		97.9	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	46.5		"	50.0		93.1	76-130				

LCS Dup (BB90090-BSD1)

Prepared & Analyzed: 02/04/2019

1,1,1,2-Tetrachloroethane	50.9		ug/L	50.0		102	75-129		3.23	30	
1,1,1-Trichloroethane	48.6		"	50.0		97.2	70-130		2.61	30	
1,1,2,2-Tetrachloroethane	47.6		"	50.0		95.2	70-130		1.91	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.2		"	50.0		106	70-130		3.32	30	
1,1,2-Trichloroethane	46.8		"	50.0		93.6	70-130		0.385	30	
1,1-Dichloroethane	49.5		"	50.0		99.0	70-130		0.648	30	
1,1-Dichloroethylene	49.3		"	50.0		98.6	70-130		2.90	30	
1,1-Dichloropropylene	49.8		"	50.0		99.6	77-127		1.86	30	
1,2,3-Trichlorobenzene	52.3		"	50.0		105	70-130		2.00	30	
1,2,3-Trichloropropane	48.6		"	50.0		97.3	81-126		0.660	30	
1,2,4,5-Tetramethylbenzene	49.6		"	50.0		99.3	63-156		1.09	30	
1,2,4-Trichlorobenzene	51.0		"	50.0		102	70-130		0.936	30	
1,2,4-Trimethylbenzene	47.5		"	50.0		95.0	84-125		0.888	30	
1,2-Dibromo-3-chloropropane	43.7		"	50.0		87.4	40-160		6.53	30	
1,2-Dibromoethane	49.5		"	50.0		99.0	70-130		1.86	30	
1,2-Dichlorobenzene	50.4		"	50.0		101	70-130		0.418	30	
1,2-Dichloroethane	48.8		"	50.0		97.7	70-130		1.80	30	
1,2-Dichloropropane	47.9		"	50.0		95.8	70-130		0.335	30	
1,3,5-Trimethylbenzene	48.4		"	50.0		96.8	82-126		2.74	30	
1,3-Dichlorobenzene	49.1		"	50.0		98.2	70-130		0.528	30	
1,3-Dichloropropane	48.4		"	50.0		96.7	83-123		0.762	30	
1,4-Dichlorobenzene	49.0		"	50.0		98.1	70-130		0.0612	30	
1,4-Dioxane	1380		"	1050		132	40-160		4.78	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 BB90090 - EPA 5035A										
LCS Dup (BB90090-BSD1)										
Prepared & Analyzed: 02/04/2019										
2,2-Dichloropropane	48.7		ug/L	50.0	97.3	67-136			1.70	30
2-Butanone	50.6		"	50.0	101	40-160			7.84	30
2-Chlorotoluene	46.8		"	50.0	93.7	78-127			3.17	30
2-Hexanone	49.3		"	50.0	98.7	40-160			8.80	30
4-Chlorotoluene	46.6		"	50.0	93.3	79-125			1.27	30
4-Methyl-2-pentanone	48.8		"	50.0	97.6	40-160			6.16	30
Acetone	45.7		"	50.0	91.4	40-160			6.50	30
Acrolein	37.2		"	50.0	74.4	10-238			3.20	30
Acrylonitrile	52.3		"	50.0	105	66-141			4.91	30
Benzene	50.6		"	50.0	101	70-130			2.38	30
Bromobenzene	45.6		"	50.0	91.3	77-129			0.416	30
Bromochloromethane	49.8		"	50.0	99.7	70-130			0.161	30
Bromodichloromethane	47.2		"	50.0	94.5	70-130			1.06	30
Bromoform	48.0		"	50.0	95.9	70-130			0.541	30
Bromomethane	61.1		"	50.0	122	40-160			1.10	30
Carbon disulfide	49.6		"	50.0	99.3	40-160			2.06	30
Carbon tetrachloride	49.4		"	50.0	98.9	70-130			2.44	30
Chlorobenzene	49.9		"	50.0	99.8	70-130			2.07	30
Chloroethane	58.2		"	50.0	116	51-142			2.56	30
Chloroform	48.7		"	50.0	97.5	70-130			0.349	30
Chloromethane	51.6		"	50.0	103	49-132			0.194	30
cis-1,2-Dichloroethylene	49.0		"	50.0	98.1	70-130			0.368	30
cis-1,3-Dichloropropylene	45.7		"	50.0	91.5	70-130			1.15	30
Cyclohexane	59.5		"	50.0	119	70-130			2.45	30
Dibromochloromethane	46.7		"	50.0	93.5	70-130			1.91	30
Dibromomethane	46.4		"	50.0	92.7	83-124			0.666	30
Dichlorodifluoromethane	49.1		"	50.0	98.2	40-160			2.60	30
Diisopropyl ether (DIPE)	51.7		"	50.0	103	70-130			0.0194	30
Ethyl Benzene	49.8		"	50.0	99.6	70-130			2.27	30
Hexachlorobutadiene	56.2		"	50.0	112	83-133			4.44	30
Isopropylbenzene	48.8		"	50.0	97.5	70-130			3.48	30
Methyl acetate	49.8		"	50.0	99.6	70-130			2.97	30
Methyl tert-butyl ether (MTBE)	47.5		"	50.0	95.1	70-130			2.25	30
Methylcyclohexane	51.8		"	50.0	104	70-130			4.44	30
Methylene chloride	48.0		"	50.0	95.9	70-130			0.0834	30
n-Butylbenzene	50.5		"	50.0	101	80-130			16.1	30
n-Propylbenzene	48.1		"	50.0	96.2	74-136			2.76	30
o-Xylene	48.9		"	50.0	97.7	70-130			1.01	30
p- & m- Xylenes	99.1		"	100	99.1	70-130			1.50	30
p-Isopropyltoluene	50.5		"	50.0	101	85-125			2.43	30
sec-Butylbenzene	51.9		"	50.0	104	83-125			2.95	30
Styrene	49.8		"	50.0	99.5	70-130			0.848	30
tert-Butyl alcohol (TBA)	250		"	250	100	70-130			5.21	30
tert-Butylbenzene	44.5		"	50.0	88.9	80-127			3.06	30
Tetrachloroethylene	48.6		"	50.0	97.1	70-130			2.17	30
Toluene	49.8		"	50.0	99.7	70-130			2.56	30
trans-1,2-Dichloroethylene	49.6		"	50.0	99.2	70-130			1.89	30
trans-1,3-Dichloropropylene	45.4		"	50.0	90.8	70-130			0.597	30
Trichloroethylene	49.6		"	50.0	99.3	70-130			3.09	30
Trichlorofluoromethane	54.5		"	50.0	109	40-160			11.3	30
Vinyl Chloride	55.3		"	50.0	111	70-130			3.61	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	Flag
		Limit			Result					Limit	

Batch BB90090 - EPA 5035A

LCS Dup (BB90090-BSD1)

Prepared & Analyzed: 02/04/2019

Surrogate: SURR: 1,2-Dichloroethane-d4	49.2		ug/L	50.0		98.3	77-125		
Surrogate: SURR: Toluene-d8	49.4		"	50.0		98.8	85-120		
Surrogate: SURR: p-Bromofluorobenzene	45.7		"	50.0		91.3	76-130		

Batch BB90091 - EPA 5030B

Blank (BB90091-BLK1)

Prepared & Analyzed: 02/04/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L						
1,1,1-Trichloroethane	ND	0.500	"						
1,1,2,2-Tetrachloroethane	ND	0.500	"						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"						
1,1,2-Trichloroethane	ND	0.500	"						
1,1-Dichloroethane	ND	0.500	"						
1,1-Dichloroethylene	ND	0.500	"						
1,1-Dichloropropylene	ND	0.500	"						
1,2,3-Trichlorobenzene	0.220	0.500	"						
1,2,3-Trichloropropane	ND	0.500	"						
1,2,4,5-Tetramethylbenzene	ND	0.500	"						
1,2,4-Trichlorobenzene	ND	0.500	"						
1,2,4-Trimethylbenzene	ND	0.500	"						
1,2-Dibromo-3-chloropropane	ND	0.500	"						
1,2-Dibromoethane	ND	0.500	"						
1,2-Dichlorobenzene	ND	0.500	"						
1,2-Dichloroethane	ND	0.500	"						
1,2-Dichloropropane	ND	0.500	"						
1,3,5-Trimethylbenzene	ND	0.500	"						
1,3-Dichlorobenzene	ND	0.500	"						
1,3-Dichloropropane	ND	0.500	"						
1,4-Dichlorobenzene	ND	0.500	"						
1,4-Dioxane	ND	200	"						
2,2-Dichloropropane	ND	0.500	"						
2-Butanone	ND	0.500	"						
2-Chlorotoluene	ND	0.500	"						
2-Hexanone	ND	0.500	"						
4-Chlorotoluene	ND	0.500	"						
4-Methyl-2-pentanone	ND	2.00	"						
Acetone	ND	2.00	"						
Acrolein	ND	2.00	"						
Acrylonitrile	ND	2.00	"						
Benzene	ND	0.500	"						
Bromobenzene	ND	0.500	"						
Bromochloromethane	ND	0.500	"						
Bromodichloromethane	ND	0.500	"						
Bromoform	ND	0.500	"						
Bromomethane	ND	0.500	"						
Carbon disulfide	ND	0.500	"						
Carbon tetrachloride	ND	0.500	"						
Chlorobenzene	ND	0.500	"						
Chloroethane	ND	0.500	"						
Chloroform	ND	0.500	"						
Chloromethane	ND	0.500	"						



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 BB90091 - EPA 5030B

Blank (BB90091-BLK1)

Prepared & Analyzed: 02/04/2019

cis-1,2-Dichloroethylene	ND	0.500	ug/L								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.50	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: Surr: 1,2-Dichloroethane-d4	9.09		"	10.0		90.9	70-130				
Surrogate: Surr: Toluene-d8	9.06		"	10.0		90.6	70-130				
Surrogate: Surr: p-Bromofluorobenzene	9.64		"	10.0		96.4	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB90091 - EPA 5030B											
LCS (BB90091-BS1)											
Prepared & Analyzed: 02/04/2019											
1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0		94.4	82-126			30	
1,1,1-Trichloroethane	11.0		"	10.0		110	70-130			20	
1,1,2,2-Tetrachloroethane	9.46		"	10.0		94.6	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0		115	70-130			20	
1,1,2-Trichloroethane	9.53		"	10.0		95.3	70-130			20	
1,1-Dichloroethane	11.7		"	10.0		117	70-130			20	
1,1-Dichloroethylene	11.2		"	10.0		112	70-130			20	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133			30	
1,2,3-Trichlorobenzene	8.43		"	10.0		84.3	70-130			20	
1,2,3-Trichloropropane	9.08		"	10.0		90.8	77-128			30	
1,2,4,5-Tetramethylbenzene	8.52		"	10.0		85.2	85-140			30	
1,2,4-Trichlorobenzene	8.37		"	10.0		83.7	70-130			20	
1,2,4-Trimethylbenzene	8.79		"	10.0		87.9	82-132			20	
1,2-Dibromo-3-chloropropane	8.81		"	10.0		88.1	40-160			20	
1,2-Dibromoethane	9.42		"	10.0		94.2	70-130			20	
1,2-Dichlorobenzene	9.29		"	10.0		92.9	70-130			20	
1,2-Dichloroethane	11.1		"	10.0		111	70-130			20	
1,2-Dichloropropane	9.36		"	10.0		93.6	70-130			20	
1,3,5-Trimethylbenzene	8.84		"	10.0		88.4	80-131			30	
1,3-Dichlorobenzene	8.94		"	10.0		89.4	70-130			20	
1,3-Dichloropropane	9.45		"	10.0		94.5	81-125			30	
1,4-Dichlorobenzene	9.05		"	10.0		90.5	70-130			20	
1,4-Dioxane	385		"	210		183	40-160	High Bias		20	
2,2-Dichloropropane	10.0		"	10.0		100	56-150			30	
2-Butanone	11.7		"	10.0		117	40-160			20	
2-Chlorotoluene	8.70		"	10.0		87.0	79-130			30	
2-Hexanone	9.30		"	10.0		93.0	40-160			20	
4-Chlorotoluene	8.55		"	10.0		85.5	79-128			30	
4-Methyl-2-pentanone	10.2		"	10.0		102	40-160			20	
Acetone	11.6		"	10.0		116	40-160			20	
Acrolein	16.2		"	10.0		162	10-153	High Bias		30	
Acrylonitrile	13.0		"	10.0		130	51-150			30	
Benzene	12.3		"	10.0		123	70-130			20	
Bromobenzene	8.62		"	10.0		86.2	78-129			30	
Bromochloromethane	12.4		"	10.0		124	70-130			20	
Bromodichloromethane	9.02		"	10.0		90.2	70-130			20	
Bromoform	9.31		"	10.0		93.1	70-130			20	
Bromomethane	6.38		"	10.0		63.8	40-160			20	
Carbon disulfide	12.8		"	10.0		128	40-160			20	
Carbon tetrachloride	10.6		"	10.0		106	70-130			20	
Chlorobenzene	9.26		"	10.0		92.6	70-130			20	
Chloroethane	12.1		"	10.0		121	40-160			20	
Chloroform	11.1		"	10.0		111	70-130			20	
Chloromethane	11.7		"	10.0		117	40-160			20	
cis-1,2-Dichloroethylene	11.3		"	10.0		113	70-130			20	
cis-1,3-Dichloropropylene	8.91		"	10.0		89.1	70-130			20	
Cyclohexane	12.7		"	10.0		127	70-130			20	
Dibromochloromethane	9.32		"	10.0		93.2	70-130			20	
Dibromomethane	9.35		"	10.0		93.5	72-134			30	
Dichlorodifluoromethane	11.4		"	10.0		114	40-160			20	
Ethyl Benzene	9.39		"	10.0		93.9	70-130			20	



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 BB90091 - EPA 5030B											
LCS (BB90091-BS1)											
						Prepared & Analyzed: 02/04/2019					
Isopropylbenzene	8.61		ug/L	10.0		86.1	70-130			20	
Methyl acetate	12.9		"	10.0		129	70-130			20	
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	70-130			20	
Methylcyclohexane	9.19		"	10.0		91.9	70-130			20	
Methylene chloride	8.44		"	10.0		84.4	70-130			20	
n-Butylbenzene	8.05		"	10.0		80.5	79-132			30	
n-Propylbenzene	8.56		"	10.0		85.6	78-133			30	
o-Xylene	9.49		"	10.0		94.9	70-130			20	
p- & m- Xylenes	18.8		"	20.0		94.0	70-130			20	
p-Isopropyltoluene	8.70		"	10.0		87.0	81-136			30	
sec-Butylbenzene	9.20		"	10.0		92.0	79-137			30	
Styrene	9.52		"	10.0		95.2	70-130			20	
tert-Butyl alcohol (TBA)	60.2		"	50.0		120	25-162			30	
tert-Butylbenzene	8.80		"	10.0		88.0	77-138			30	
Tetrachloroethylene	6.71		"	10.0		67.1	70-130	Low Bias		20	
Toluene	9.65		"	10.0		96.5	70-130			20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130			20	
trans-1,3-Dichloropropylene	8.53		"	10.0		85.3	70-130			20	
Trichloroethylene	8.99		"	10.0		89.9	70-130			20	
Trichlorofluoromethane	10.8		"	10.0		108	40-160			20	
Vinyl Chloride	12.7		"	10.0		127	70-130			20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.04</i>		<i>"</i>	<i>10.0</i>		<i>90.4</i>	<i>70-130</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.40</i>		<i>"</i>	<i>10.0</i>		<i>94.0</i>	<i>70-130</i>				
LCS Dup (BB90091-BSD1)											
						Prepared & Analyzed: 02/04/2019					
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		7.64	30	
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130		3.58	20	
1,1,2,2-Tetrachloroethane	9.53		"	10.0		95.3	70-130		0.737	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	70-130		6.38	20	
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130		5.51	20	
1,1-Dichloroethane	12.0		"	10.0		120	70-130		2.46	20	
1,1-Dichloroethylene	11.8		"	10.0		118	70-130		4.70	20	
1,1-Dichloropropylene	11.5		"	10.0		115	83-133		5.07	30	
1,2,3-Trichlorobenzene	8.45		"	10.0		84.5	70-130		0.237	20	
1,2,3-Trichloropropane	9.21		"	10.0		92.1	77-128		1.42	30	
1,2,4,5-Tetramethylbenzene	9.02		"	10.0		90.2	85-140		5.70	30	
1,2,4-Trichlorobenzene	8.57		"	10.0		85.7	70-130		2.36	20	
1,2,4-Trimethylbenzene	9.22		"	10.0		92.2	82-132		4.78	20	
1,2-Dibromo-3-chloropropane	8.62		"	10.0		86.2	40-160		2.18	20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130		6.07	20	
1,2-Dichlorobenzene	9.67		"	10.0		96.7	70-130		4.01	20	
1,2-Dichloroethane	11.3		"	10.0		113	70-130		1.61	20	
1,2-Dichloropropane	9.94		"	10.0		99.4	70-130		6.01	20	
1,3,5-Trimethylbenzene	9.21		"	10.0		92.1	80-131		4.10	30	
1,3-Dichlorobenzene	9.34		"	10.0		93.4	70-130		4.38	20	
1,3-Dichloropropane	9.87		"	10.0		98.7	81-125		4.35	30	
1,4-Dichlorobenzene	9.44		"	10.0		94.4	70-130		4.22	20	
1,4-Dioxane	348		"	210		166	40-160	High Bias	10.3	20	
2,2-Dichloropropane	10.2		"	10.0		102	56-150		1.78	30	
2-Butanone	11.7		"	10.0		117	40-160		0.0852	20	



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 BB90091 - EPA 5030B											
LCS Dup (BB90091-BSD1)											
										Prepared & Analyzed: 02/04/2019	
2-Chlorotoluene	9.06		ug/L	10.0		90.6	79-130		4.05	30	
2-Hexanone	9.45		"	10.0		94.5	40-160		1.60	20	
4-Chlorotoluene	8.89		"	10.0		88.9	79-128		3.90	30	
4-Methyl-2-pentanone	10.6		"	10.0		106	40-160		3.28	20	
Acetone	10.7		"	10.0		107	40-160		8.01	20	
Acrolein	16.4		"	10.0		164	10-153	High Bias	0.980	30	
Acrylonitrile	12.4		"	10.0		124	51-150		5.27	30	
Benzene	12.7		"	10.0		127	70-130		3.68	20	
Bromobenzene	8.99		"	10.0		89.9	78-129		4.20	30	
Bromochloromethane	12.7		"	10.0		127	70-130		3.03	20	
Bromodichloromethane	9.50		"	10.0		95.0	70-130		5.18	20	
Bromoform	9.78		"	10.0		97.8	70-130		4.92	20	
Bromomethane	7.79		"	10.0		77.9	40-160		19.9	20	
Carbon disulfide	13.4		"	10.0		134	40-160		4.81	20	
Carbon tetrachloride	11.1		"	10.0		111	70-130		5.25	20	
Chlorobenzene	9.83		"	10.0		98.3	70-130		5.97	20	
Chloroethane	13.0		"	10.0		130	40-160		7.09	20	
Chloroform	11.5		"	10.0		115	70-130		3.71	20	
Chloromethane	12.4		"	10.0		124	40-160		5.64	20	
cis-1,2-Dichloroethylene	11.8		"	10.0		118	70-130		4.23	20	
cis-1,3-Dichloropropylene	9.32		"	10.0		93.2	70-130		4.50	20	
Cyclohexane	13.4		"	10.0		134	70-130	High Bias	5.06	20	
Dibromochloromethane	9.93		"	10.0		99.3	70-130		6.34	20	
Dibromomethane	9.80		"	10.0		98.0	72-134		4.70	30	
Dichlorodifluoromethane	12.1		"	10.0		121	40-160		5.36	20	
Ethyl Benzene	10.0		"	10.0		100	70-130		6.49	20	
Isopropylbenzene	9.06		"	10.0		90.6	70-130		5.09	20	
Methyl acetate	13.1		"	10.0		131	70-130	High Bias	1.61	20	
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	70-130		3.75	20	
Methylcyclohexane	9.93		"	10.0		99.3	70-130		7.74	20	
Methylene chloride	8.85		"	10.0		88.5	70-130		4.74	20	
n-Butylbenzene	8.83		"	10.0		88.3	79-132		9.24	30	
n-Propylbenzene	9.02		"	10.0		90.2	78-133		5.23	30	
o-Xylene	10.1		"	10.0		101	70-130		6.43	20	
p- & m- Xylenes	20.1		"	20.0		101	70-130		6.84	20	
p-Isopropyltoluene	9.14		"	10.0		91.4	81-136		4.93	30	
sec-Butylbenzene	9.67		"	10.0		96.7	79-137		4.98	30	
Styrene	10.2		"	10.0		102	70-130		6.80	20	
tert-Butyl alcohol (TBA)	61.6		"	50.0		123	25-162		2.15	30	
tert-Butylbenzene	9.28		"	10.0		92.8	77-138		5.31	30	
Tetrachloroethylene	7.02		"	10.0		70.2	70-130		4.52	20	
Toluene	10.3		"	10.0		103	70-130		6.22	20	
trans-1,2-Dichloroethylene	11.8		"	10.0		118	70-130		3.97	20	
trans-1,3-Dichloropropylene	8.89		"	10.0		88.9	70-130		4.13	20	
Trichloroethylene	9.57		"	10.0		95.7	70-130		6.25	20	
Trichlorofluoromethane	11.5		"	10.0		115	40-160		6.36	20	
Vinyl Chloride	13.2		"	10.0		132	70-130	High Bias	3.85	20	
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.36		"	10.0		93.6	70-130				
Surrogate: SURRE: Toluene-d8	9.04		"	10.0		90.4	70-130				
Surrogate: SURRE: p-Bromofluorobenzene	9.00		"	10.0		90.0	70-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90172 - EPA 3550C

Blank (BB90172-BLK1)

Prepared & Analyzed: 02/05/2019

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								



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 BB90172 - EPA 3550C

Blank (BB90172-BLK1)

Prepared & Analyzed: 02/05/2019

Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	0.0492	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.31		"	1.66		79.0	20-108				
Surrogate: SURR: Phenol-d5	1.25		"	1.66		75.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.683		"	0.831		82.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.672		"	0.831		80.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.32		"	1.66		79.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.721		"	0.831		86.8	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 BB90172 - EPA 3550C											
LCS (BB90172-BS1)											
Prepared & Analyzed: 02/05/2019											
1,1-Biphenyl	0.590	0.0416	mg/kg wet	0.831		71.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.701	0.0830	"	0.831		84.4	21-131				
1,2,4-Trichlorobenzene	0.654	0.0416	"	0.831		78.7	10-140				
1,2-Dichlorobenzene	0.594	0.0416	"	0.831		71.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.614	0.0416	"	0.831		74.0	17-137				
1,3-Dichlorobenzene	0.591	0.0416	"	0.831		71.2	33-110				
1,4-Dichlorobenzene	0.598	0.0416	"	0.831		72.0	32-104				
2,3,4,6-Tetrachlorophenol	1.26	0.0830	"	0.831		152	30-130	High Bias			
2,4,5-Trichlorophenol	0.650	0.0416	"	0.831		78.3	27-118				
2,4,6-Trichlorophenol	0.661	0.0416	"	0.831		79.6	31-120				
2,4-Dichlorophenol	0.708	0.0416	"	0.831		85.2	20-127				
2,4-Dimethylphenol	0.687	0.0416	"	0.831		82.7	14-132				
2,4-Dinitrophenol	0.134	0.0830	"	0.831		16.1	10-171				
2,4-Dinitrotoluene	0.640	0.0416	"	0.831		77.0	34-131				
2,6-Dinitrotoluene	0.682	0.0416	"	0.831		82.1	31-128				
2-Chloronaphthalene	0.626	0.0416	"	0.831		75.4	31-117				
2-Chlorophenol	0.646	0.0416	"	0.831		77.8	33-113				
2-Methylnaphthalene	0.669	0.0416	"	0.831		80.5	12-138				
2-Methylphenol	0.606	0.0416	"	0.831		73.0	10-136				
2-Nitroaniline	0.618	0.0830	"	0.831		74.4	27-132				
2-Nitrophenol	0.691	0.0416	"	0.831		83.2	17-129				
3- & 4-Methylphenols	0.557	0.0416	"	0.831		67.1	29-103				
3,3-Dichlorobenzidine	0.530	0.0416	"	0.831		63.8	22-149				
3-Nitroaniline	0.522	0.0830	"	0.831		62.8	20-133				
4,6-Dinitro-2-methylphenol	0.416	0.0830	"	0.831		50.1	10-143				
4-Bromophenyl phenyl ether	0.669	0.0416	"	0.831		80.6	29-120				
4-Chloro-3-methylphenol	0.672	0.0416	"	0.831		80.9	24-129				
4-Chloroaniline	0.369	0.0416	"	0.831		44.4	10-132				
4-Chlorophenyl phenyl ether	0.644	0.0416	"	0.831		77.5	27-124				
4-Nitroaniline	0.570	0.0830	"	0.831		68.6	16-128				
4-Nitrophenol	0.589	0.0830	"	0.831		71.0	10-141				
Acenaphthene	0.629	0.0416	"	0.831		75.8	30-121				
Acenaphthylene	0.637	0.0416	"	0.831		76.7	30-115				
Acetophenone	0.561	0.0416	"	0.831		67.5	20-112				
Aniline	0.660	0.166	"	0.831		79.5	10-119				
Anthracene	0.677	0.0416	"	0.831		81.5	34-118				
Atrazine	0.597	0.0416	"	0.831		71.9	26-112				
Benzaldehyde	0.615	0.0416	"	0.831		74.0	21-100				
Benzo(a)anthracene	0.649	0.0416	"	0.831		78.1	32-122				
Benzo(a)pyrene	0.671	0.0416	"	0.831		80.8	29-133				
Benzo(b)fluoranthene	0.683	0.0416	"	0.831		82.3	25-133				
Benzo(g,h,i)perylene	0.681	0.0416	"	0.831		82.0	10-143				
Benzo(k)fluoranthene	0.640	0.0416	"	0.831		77.0	25-128				
Benzoic acid	0.0947	0.0416	"	0.894		10.6	10-140				
Benzyl alcohol	0.666	0.0416	"	0.831		80.2	30-115				
Benzyl butyl phthalate	0.693	0.0416	"	0.831		83.5	26-126				
Bis(2-chloroethoxy)methane	0.683	0.0416	"	0.831		82.2	19-132				
Bis(2-chloroethyl)ether	0.652	0.0416	"	0.831		78.6	19-125				
Bis(2-chloroisopropyl)ether	0.759	0.0416	"	0.831		91.4	20-135				
Bis(2-ethylhexyl)phthalate	0.665	0.0416	"	0.831		80.0	10-155				
Caprolactam	0.583	0.0830	"	0.831		70.2	10-127				



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 BB90172 - EPA 3550C

LCS (BB90172-BS1)

Prepared & Analyzed: 02/05/2019

Carbazole	0.641	0.0416	mg/kg wet	0.831		77.1	35-123				
Chrysene	0.664	0.0416	"	0.831		80.0	32-123				
Dibenzo(a,h)anthracene	0.687	0.0416	"	0.831		82.7	10-136				
Dibenzofuran	0.606	0.0416	"	0.831		73.0	29-121				
Diethyl phthalate	0.630	0.0416	"	0.831		75.8	34-116				
Dimethyl phthalate	0.567	0.0416	"	0.831		68.2	35-124				
Di-n-butyl phthalate	0.654	0.0416	"	0.831		78.8	31-116				
Di-n-octyl phthalate	0.689	0.0416	"	0.831		83.0	26-136				
Fluoranthene	0.678	0.0416	"	0.831		81.6	33-122				
Fluorene	0.626	0.0416	"	0.831		75.4	29-123				
Hexachlorobenzene	0.618	0.0416	"	0.831		74.4	21-124				
Hexachlorobutadiene	0.663	0.0416	"	0.831		79.8	10-149				
Hexachlorocyclopentadiene	0.441	0.0416	"	0.831		53.1	10-129				
Hexachloroethane	0.603	0.0416	"	0.831		72.6	28-108				
Indeno(1,2,3-cd)pyrene	0.681	0.0416	"	0.831		82.0	10-135				
Isophorone	0.679	0.0416	"	0.831		81.7	20-132				
Naphthalene	0.680	0.0416	"	0.831		81.9	23-124				
Nitrobenzene	0.632	0.0416	"	0.831		76.1	13-132				
N-Nitrosodimethylamine	0.607	0.0416	"	0.831		73.1	11-129				
N-nitroso-di-n-propylamine	0.625	0.0416	"	0.831		75.2	24-119				
N-Nitrosodiphenylamine	0.773	0.0416	"	0.831		93.1	22-152				
Pentachlorophenol	0.549	0.0416	"	0.831		66.0	10-139				
Phenanthrene	0.686	0.0416	"	0.831		82.6	33-123				
Phenol	0.669	0.0416	"	0.831		80.6	23-115				
Pyrene	0.688	0.0416	"	0.831		82.8	32-130				
Pyridine	0.500	0.166	"	0.831		60.2	10-91				
Surrogate: SURR: 2-Fluorophenol	1.27		"	1.66		76.4	20-108				
Surrogate: SURR: Phenol-d5	1.24		"	1.66		74.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.644		"	0.831		77.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.645		"	0.831		77.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.31		"	1.66		78.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.676		"	0.831		81.4	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 BB90172 - EPA 3550C											
Matrix Spike (BB90172-MS1)		*Source sample: 19A1225-04 (LSB-6B)					Prepared & Analyzed: 02/05/2019				
1,1-Biphenyl	0.627	0.0862	mg/kg dry	0.862	ND	72.8	10-130				
1,2,4,5-Tetrachlorobenzene	0.701	0.172	"	0.862	ND	81.4	10-133				
1,2,4-Trichlorobenzene	0.654	0.0862	"	0.862	ND	75.9	10-127				
1,2-Dichlorobenzene	0.599	0.0862	"	0.862	ND	69.5	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.597	0.0862	"	0.862	ND	69.3	10-144				
1,3-Dichlorobenzene	0.589	0.0862	"	0.862	ND	68.4	11-111				
1,4-Dichlorobenzene	0.600	0.0862	"	0.862	ND	69.7	10-106				
2,3,4,6-Tetrachlorophenol	1.36	0.172	"	0.862	ND	157	30-130	High Bias			
2,4,5-Trichlorophenol	0.673	0.0862	"	0.862	ND	78.2	10-127				
2,4,6-Trichlorophenol	0.656	0.0862	"	0.862	ND	76.2	10-132				
2,4-Dichlorophenol	0.713	0.0862	"	0.862	ND	82.7	10-128				
2,4-Dimethylphenol	0.671	0.0862	"	0.862	ND	77.8	10-137				
2,4-Dinitrophenol	ND	0.172	"	0.862	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.600	0.0862	"	0.862	ND	69.6	16-135				
2,6-Dinitrotoluene	0.647	0.0862	"	0.862	ND	75.0	18-131				
2-Chloronaphthalene	0.629	0.0862	"	0.862	ND	73.0	10-129				
2-Chlorophenol	0.636	0.0862	"	0.862	ND	73.8	15-116				
2-Methylnaphthalene	0.666	0.0862	"	0.862	ND	77.3	10-147				
2-Methylphenol	0.587	0.0862	"	0.862	ND	68.1	10-136				
2-Nitroaniline	0.601	0.172	"	0.862	ND	69.8	10-137				
2-Nitrophenol	0.658	0.0862	"	0.862	ND	76.3	10-129				
3- & 4-Methylphenols	0.532	0.0862	"	0.862	ND	61.8	10-123				
3,3-Dichlorobenzidine	0.609	0.0862	"	0.862	ND	70.6	10-155				
3-Nitroaniline	0.524	0.172	"	0.862	ND	60.8	12-133				
4,6-Dinitro-2-methylphenol	0.167	0.172	"	0.862	ND	19.4	10-155				
4-Bromophenyl phenyl ether	0.656	0.0862	"	0.862	ND	76.1	14-128				
4-Chloro-3-methylphenol	0.673	0.0862	"	0.862	ND	78.1	10-134				
4-Chloroaniline	0.418	0.0862	"	0.862	ND	48.5	10-145				
4-Chlorophenyl phenyl ether	0.635	0.0862	"	0.862	ND	73.7	14-130				
4-Nitroaniline	0.583	0.172	"	0.862	ND	67.7	10-147				
4-Nitrophenol	0.582	0.172	"	0.862	ND	67.6	10-137				
Acenaphthene	0.629	0.0862	"	0.862	ND	73.0	10-146				
Acenaphthylene	0.631	0.0862	"	0.862	ND	73.3	10-134				
Acetophenone	0.596	0.0862	"	0.862	ND	69.1	10-116				
Aniline	0.707	0.345	"	0.862	ND	82.1	10-123				
Anthracene	0.687	0.0862	"	0.862	ND	79.8	10-142				
Atrazine	0.601	0.0862	"	0.862	ND	69.8	19-115				
Benzaldehyde	0.658	0.0862	"	0.862	ND	76.4	10-125				
Benzo(a)anthracene	0.662	0.0862	"	0.862	ND	76.8	10-158				
Benzo(a)pyrene	0.696	0.0862	"	0.862	ND	80.8	10-180				
Benzo(b)fluoranthene	0.677	0.0862	"	0.862	ND	78.6	10-200				
Benzo(g,h,i)perylene	0.670	0.0862	"	0.862	ND	77.8	10-138				
Benzo(k)fluoranthene	0.669	0.0862	"	0.862	ND	77.7	10-197				
Benzoic acid	0.170	0.0862	"	0.927	ND	18.4	10-166				
Benzyl alcohol	0.664	0.0862	"	0.862	ND	77.0	12-124				
Benzyl butyl phthalate	0.666	0.0862	"	0.862	ND	77.3	10-154				
Bis(2-chloroethoxy)methane	0.679	0.0862	"	0.862	ND	78.8	10-132				
Bis(2-chloroethyl)ether	0.671	0.0862	"	0.862	ND	77.8	10-119				
Bis(2-chloroisopropyl)ether	0.776	0.0862	"	0.862	ND	90.1	10-139				
Bis(2-ethylhexyl)phthalate	0.656	0.0862	"	0.862	ND	76.1	10-167				
Caprolactam	0.610	0.172	"	0.862	ND	70.8	10-132				



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 BB90172 - EPA 3550C

Matrix Spike (BB90172-MS1)

*Source sample: 19A1225-04 (LSB-6B)

Prepared & Analyzed: 02/05/2019

Carbazole	0.653	0.0862	mg/kg dry	0.862	ND	75.8	10-167				
Chrysene	0.677	0.0862	"	0.862	ND	78.6	10-156				
Dibenzo(a,h)anthracene	0.690	0.0862	"	0.862	ND	80.1	10-137				
Dibenzofuran	0.612	0.0862	"	0.862	ND	71.0	10-147				
Diethyl phthalate	0.616	0.0862	"	0.862	ND	71.4	20-120				
Dimethyl phthalate	0.546	0.0862	"	0.862	ND	63.4	18-131				
Di-n-butyl phthalate	0.646	0.0862	"	0.862	ND	75.0	10-137				
Di-n-octyl phthalate	0.694	0.0862	"	0.862	ND	80.6	10-180				
Fluoranthene	0.698	0.0862	"	0.862	ND	81.0	10-160				
Fluorene	0.627	0.0862	"	0.862	ND	72.7	10-157				
Hexachlorobenzene	0.630	0.0862	"	0.862	ND	73.1	10-137				
Hexachlorobutadiene	0.645	0.0862	"	0.862	ND	74.8	10-132				
Hexachlorocyclopentadiene	0.125	0.0862	"	0.862	ND	14.6	10-106				
Hexachloroethane	0.549	0.0862	"	0.862	ND	63.7	10-110				
Indeno(1,2,3-cd)pyrene	0.673	0.0862	"	0.862	ND	78.1	10-144				
Isophorone	0.672	0.0862	"	0.862	ND	78.0	10-132				
Naphthalene	0.678	0.0862	"	0.862	ND	78.6	10-141				
Nitrobenzene	0.634	0.0862	"	0.862	ND	73.5	10-131				
N-Nitrosodimethylamine	0.602	0.0862	"	0.862	ND	69.8	10-126				
N-nitroso-di-n-propylamine	0.620	0.0862	"	0.862	ND	72.0	10-125				
N-Nitrosodiphenylamine	0.767	0.0862	"	0.862	ND	89.0	10-177				
Pentachlorophenol	0.629	0.0862	"	0.862	ND	73.0	10-153				
Phenanthrene	0.693	0.0862	"	0.862	ND	80.4	10-148				
Phenol	0.666	0.0862	"	0.862	ND	77.3	10-126				
Pyrene	0.671	0.0862	"	0.862	ND	77.9	10-165				
Pyridine	0.557	0.345	"	0.862	ND	64.6	10-83				
Surrogate: SURR: 2-Fluorophenol	1.28		"	1.72		74.2	20-108				
Surrogate: SURR: Phenol-d5	1.24		"	1.72		71.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.648		"	0.862		75.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.642		"	0.862		74.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.30		"	1.72		75.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.646		"	0.862		75.0	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 BB90172 - EPA 3550C											
Matrix Spike Dup (BB90172-MSD1)		*Source sample: 19A1225-04 (LSB-6B)				Prepared & Analyzed: 02/05/2019					
1,1-Biphenyl	0.643	0.0862	mg/kg dry	0.862	ND	74.6	10-130		2.50	30	
1,2,4,5-Tetrachlorobenzene	0.745	0.172	"	0.862	ND	86.5	10-133		6.10	30	
1,2,4-Trichlorobenzene	0.685	0.0862	"	0.862	ND	79.4	10-127		4.53	30	
1,2-Dichlorobenzene	0.638	0.0862	"	0.862	ND	74.1	14-111		6.35	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.624	0.0862	"	0.862	ND	72.4	10-144		4.40	30	
1,3-Dichlorobenzene	0.603	0.0862	"	0.862	ND	70.0	11-111		2.31	30	
1,4-Dichlorobenzene	0.627	0.0862	"	0.862	ND	72.7	10-106		4.27	30	
2,3,4,6-Tetrachlorophenol	1.43	0.172	"	0.862	ND	166	30-130	High Bias	5.11	30	
2,4,5-Trichlorophenol	0.687	0.0862	"	0.862	ND	79.8	10-127		2.03	30	
2,4,6-Trichlorophenol	0.689	0.0862	"	0.862	ND	79.9	10-132		4.82	30	
2,4-Dichlorophenol	0.716	0.0862	"	0.862	ND	83.0	10-128		0.386	30	
2,4-Dimethylphenol	0.704	0.0862	"	0.862	ND	81.7	10-137		4.81	30	
2,4-Dinitrophenol	0.101	0.172	"	0.862	ND	11.7	10-171			30	
2,4-Dinitrotoluene	0.629	0.0862	"	0.862	ND	73.0	16-135		4.82	30	
2,6-Dinitrotoluene	0.681	0.0862	"	0.862	ND	79.0	18-131		5.19	30	
2-Chloronaphthalene	0.662	0.0862	"	0.862	ND	76.9	10-129		5.23	30	
2-Chlorophenol	0.676	0.0862	"	0.862	ND	78.5	15-116		6.20	30	
2-Methylnaphthalene	0.706	0.0862	"	0.862	ND	81.9	10-147		5.83	30	
2-Methylphenol	0.624	0.0862	"	0.862	ND	72.4	10-136		6.15	30	
2-Nitroaniline	0.637	0.172	"	0.862	ND	73.9	10-137		5.79	30	
2-Nitrophenol	0.682	0.0862	"	0.862	ND	79.2	10-129		3.70	30	
3- & 4-Methylphenols	0.578	0.0862	"	0.862	ND	67.1	10-123		8.32	30	
3,3-Dichlorobenzidine	0.635	0.0862	"	0.862	ND	73.7	10-155		4.21	30	
3-Nitroaniline	0.565	0.172	"	0.862	ND	65.6	12-133		7.59	30	
4,6-Dinitro-2-methylphenol	0.179	0.172	"	0.862	ND	20.7	10-155		6.79	30	
4-Bromophenyl phenyl ether	0.672	0.0862	"	0.862	ND	78.0	14-128		2.49	30	
4-Chloro-3-methylphenol	0.700	0.0862	"	0.862	ND	81.3	10-134		4.02	30	
4-Chloroaniline	0.467	0.0862	"	0.862	ND	54.2	10-145		11.2	30	
4-Chlorophenyl phenyl ether	0.664	0.0862	"	0.862	ND	77.0	14-130		4.46	30	
4-Nitroaniline	0.607	0.172	"	0.862	ND	70.5	10-147		4.05	30	
4-Nitrophenol	0.634	0.172	"	0.862	ND	73.6	10-137		8.50	30	
Acenaphthene	0.662	0.0862	"	0.862	ND	76.9	10-146		5.12	30	
Acenaphthylene	0.666	0.0862	"	0.862	ND	77.3	10-134		5.31	30	
Acetophenone	0.614	0.0862	"	0.862	ND	71.2	10-116		2.96	30	
Aniline	0.711	0.345	"	0.862	ND	82.6	10-123		0.583	30	
Anthracene	0.722	0.0862	"	0.862	ND	83.8	10-142		4.89	30	
Atrazine	0.612	0.0862	"	0.862	ND	71.0	19-115		1.82	30	
Benzaldehyde	0.666	0.0862	"	0.862	ND	77.3	10-125		1.15	30	
Benzo(a)anthracene	0.691	0.0862	"	0.862	ND	80.2	10-158		4.38	30	
Benzo(a)pyrene	0.720	0.0862	"	0.862	ND	83.6	10-180		3.41	30	
Benzo(b)fluoranthene	0.705	0.0862	"	0.862	ND	81.8	10-200		3.99	30	
Benzo(g,h,i)perylene	0.704	0.0862	"	0.862	ND	81.7	10-138		4.92	30	
Benzo(k)fluoranthene	0.702	0.0862	"	0.862	ND	81.5	10-197		4.82	30	
Benzoic acid	0.201	0.0862	"	0.927	ND	21.7	10-166		16.7	30	
Benzyl alcohol	0.683	0.0862	"	0.862	ND	79.3	12-124		2.87	30	
Benzyl butyl phthalate	0.695	0.0862	"	0.862	ND	80.6	10-154		4.26	30	
Bis(2-chloroethoxy)methane	0.711	0.0862	"	0.862	ND	82.5	10-132		4.56	30	
Bis(2-chloroethyl)ether	0.711	0.0862	"	0.862	ND	82.6	10-119		5.89	30	
Bis(2-chloroisopropyl)ether	0.810	0.0862	"	0.862	ND	94.0	10-139		4.26	30	
Bis(2-ethylhexyl)phthalate	0.671	0.0862	"	0.862	ND	77.9	10-167		2.39	30	
Caprolactam	0.636	0.172	"	0.862	ND	73.8	10-132		4.10	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 BB90172 - EPA 3550C

Matrix Spike Dup (BB90172-MSD1)

*Source sample: 19A1225-04 (LSB-6B)

Prepared & Analyzed: 02/05/2019

Carbazole	0.678	0.0862	mg/kg dry	0.862	ND	78.7	10-167		3.83	30	
Chrysene	0.717	0.0862	"	0.862	ND	83.2	10-156		5.74	30	
Dibenzo(a,h)anthracene	0.717	0.0862	"	0.862	ND	83.2	10-137		3.82	30	
Dibenzofuran	0.638	0.0862	"	0.862	ND	74.1	10-147		4.19	30	
Diethyl phthalate	0.645	0.0862	"	0.862	ND	74.8	20-120		4.60	30	
Dimethyl phthalate	0.563	0.0862	"	0.862	ND	65.4	18-131		3.11	30	
Di-n-butyl phthalate	0.673	0.0862	"	0.862	ND	78.1	10-137		4.08	30	
Di-n-octyl phthalate	0.705	0.0862	"	0.862	ND	81.8	10-180		1.58	30	
Fluoranthene	0.742	0.0862	"	0.862	ND	86.1	10-160		6.03	30	
Fluorene	0.665	0.0862	"	0.862	ND	77.1	10-157		5.87	30	
Hexachlorobenzene	0.639	0.0862	"	0.862	ND	74.2	10-137		1.41	30	
Hexachlorobutadiene	0.678	0.0862	"	0.862	ND	78.7	10-132		5.11	30	
Hexachlorocyclopentadiene	0.131	0.0862	"	0.862	ND	15.2	10-106		4.30	30	
Hexachloroethane	0.569	0.0862	"	0.862	ND	66.1	10-110		3.70	30	
Indeno(1,2,3-cd)pyrene	0.710	0.0862	"	0.862	ND	82.4	10-144		5.38	30	
Isophorone	0.709	0.0862	"	0.862	ND	82.3	10-132		5.39	30	
Naphthalene	0.713	0.0862	"	0.862	ND	82.7	10-141		5.06	30	
Nitrobenzene	0.660	0.0862	"	0.862	ND	76.6	10-131		4.05	30	
N-Nitrosodimethylamine	0.627	0.0862	"	0.862	ND	72.7	10-126		4.04	30	
N-nitroso-di-n-propylamine	0.656	0.0862	"	0.862	ND	76.2	10-125		5.62	30	
N-Nitrosodiphenylamine	0.787	0.0862	"	0.862	ND	91.3	10-177		2.57	30	
Pentachlorophenol	0.694	0.0862	"	0.862	ND	80.6	10-153		9.79	30	
Phenanthrene	0.729	0.0862	"	0.862	ND	84.6	10-148		5.04	30	
Phenol	0.702	0.0862	"	0.862	ND	81.5	10-126		5.34	30	
Pyrene	0.706	0.0862	"	0.862	ND	81.9	10-165		5.01	30	
Pyridine	0.547	0.345	"	0.862	ND	63.4	10-83		1.87	30	
Surrogate: SURR: 2-Fluorophenol	1.35		"	1.72		78.2	20-108				
Surrogate: SURR: Phenol-d5	1.31		"	1.72		76.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.680		"	0.862		78.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.685		"	0.862		79.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.40		"	1.72		81.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.690		"	0.862		80.1	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
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Batch BB90317 - EPA 3550C

Blank (BB90317-BLK1)

Prepared: 02/06/2019 Analyzed: 02/07/2019

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	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit

Batch BB90317 - EPA 3550C

Blank (BB90317-BLK1)

Prepared: 02/06/2019 Analyzed: 02/07/2019

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: SURR: 2-Fluorophenol	1.28		"	1.67		76.8		20-108			
Surrogate: SURR: Phenol-d5	1.20		"	1.67		71.9		23-114			
Surrogate: SURR: Nitrobenzene-d5	0.637		"	0.833		76.4		22-108			
Surrogate: SURR: 2-Fluorobiphenyl	0.607		"	0.833		72.8		21-113			
Surrogate: SURR: 2,4,6-Tribromophenol	1.28		"	1.67		76.6		19-110			
Surrogate: SURR: Terphenyl-d14	0.684		"	0.833		82.0		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 BB90317 - EPA 3550C											
LCS (BB90317-BS1)											
Prepared: 02/06/2019 Analyzed: 02/07/2019											
1,1-Biphenyl	0.607	0.0417	mg/kg wet	0.833		72.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.696	0.0833	"	0.833		83.5	21-131				
1,2,4-Trichlorobenzene	0.613	0.0417	"	0.833		73.6	10-140				
1,2-Dichlorobenzene	0.569	0.0417	"	0.833		68.2	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.609	0.0417	"	0.833		73.0	17-137				
1,3-Dichlorobenzene	0.561	0.0417	"	0.833		67.3	33-110				
1,4-Dichlorobenzene	0.554	0.0417	"	0.833		66.4	32-104				
2,3,4,6-Tetrachlorophenol	1.35	0.0833	"	0.833		162	30-130	High Bias			
2,4,5-Trichlorophenol	0.599	0.0417	"	0.833		71.8	27-118				
2,4,6-Trichlorophenol	0.643	0.0417	"	0.833		77.1	31-120				
2,4-Dichlorophenol	0.662	0.0417	"	0.833		79.5	20-127				
2,4-Dimethylphenol	0.645	0.0417	"	0.833		77.4	14-132				
2,4-Dinitrophenol	0.611	0.0833	"	0.833		73.4	10-171				
2,4-Dinitrotoluene	0.653	0.0417	"	0.833		78.4	34-131				
2,6-Dinitrotoluene	0.682	0.0417	"	0.833		81.8	31-128				
2-Chloronaphthalene	0.601	0.0417	"	0.833		72.1	31-117				
2-Chlorophenol	0.604	0.0417	"	0.833		72.4	33-113				
2-Methylnaphthalene	0.619	0.0417	"	0.833		74.3	12-138				
2-Methylphenol	0.593	0.0417	"	0.833		71.2	10-136				
2-Nitroaniline	0.613	0.0833	"	0.833		73.6	27-132				
2-Nitrophenol	0.661	0.0417	"	0.833		79.3	17-129				
3- & 4-Methylphenols	0.517	0.0417	"	0.833		62.1	29-103				
3,3-Dichlorobenzidine	0.532	0.0417	"	0.833		63.8	22-149				
3-Nitroaniline	0.531	0.0833	"	0.833		63.7	20-133				
4,6-Dinitro-2-methylphenol	0.666	0.0833	"	0.833		80.0	10-143				
4-Bromophenyl phenyl ether	0.632	0.0417	"	0.833		75.8	29-120				
4-Chloro-3-methylphenol	0.624	0.0417	"	0.833		74.8	24-129				
4-Chloroaniline	0.430	0.0417	"	0.833		51.6	10-132				
4-Chlorophenyl phenyl ether	0.610	0.0417	"	0.833		73.2	27-124				
4-Nitroaniline	0.621	0.0833	"	0.833		74.5	16-128				
4-Nitrophenol	0.608	0.0833	"	0.833		73.0	10-141				
Acenaphthene	0.624	0.0417	"	0.833		74.8	30-121				
Acenaphthylene	0.617	0.0417	"	0.833		74.1	30-115				
Acetophenone	0.556	0.0417	"	0.833		66.8	20-112				
Aniline	0.459	0.167	"	0.833		55.0	10-119				
Anthracene	0.667	0.0417	"	0.833		80.0	34-118				
Atrazine	0.637	0.0417	"	0.833		76.4	26-112				
Benzaldehyde	0.681	0.0417	"	0.833		81.7	21-100				
Benzo(a)anthracene	0.646	0.0417	"	0.833		77.6	32-122				
Benzo(a)pyrene	0.722	0.0417	"	0.833		86.6	29-133				
Benzo(b)fluoranthene	0.707	0.0417	"	0.833		84.8	25-133				
Benzo(g,h,i)perylene	0.718	0.0417	"	0.833		86.2	10-143				
Benzo(k)fluoranthene	0.703	0.0417	"	0.833		84.4	25-128				
Benzoic acid	0.257	0.0417	"	0.897		28.7	10-140				
Benzyl alcohol	0.615	0.0417	"	0.833		73.8	30-115				
Benzyl butyl phthalate	0.676	0.0417	"	0.833		81.1	26-126				
Bis(2-chloroethoxy)methane	0.623	0.0417	"	0.833		74.8	19-132				
Bis(2-chloroethyl)ether	0.622	0.0417	"	0.833		74.6	19-125				
Bis(2-chloroisopropyl)ether	0.709	0.0417	"	0.833		85.1	20-135				
Bis(2-ethylhexyl)phthalate	0.690	0.0417	"	0.833		82.8	10-155				
Caprolactam	0.558	0.0833	"	0.833		67.0	10-127				



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 BB90317 - EPA 3550C

LCS (BB90317-BS1)

Prepared: 02/06/2019 Analyzed: 02/07/2019

Carbazole	0.643	0.0417	mg/kg wet	0.833		77.2	35-123				
Chrysene	0.672	0.0417	"	0.833		80.7	32-123				
Dibenzo(a,h)anthracene	0.700	0.0417	"	0.833		84.0	10-136				
Dibenzofuran	0.598	0.0417	"	0.833		71.7	29-121				
Diethyl phthalate	0.608	0.0417	"	0.833		72.9	34-116				
Dimethyl phthalate	0.569	0.0417	"	0.833		68.3	35-124				
Di-n-butyl phthalate	0.636	0.0417	"	0.833		76.4	31-116				
Di-n-octyl phthalate	0.693	0.0417	"	0.833		83.1	26-136				
Fluoranthene	0.671	0.0417	"	0.833		80.5	33-122				
Fluorene	0.611	0.0417	"	0.833		73.3	29-123				
Hexachlorobenzene	0.601	0.0417	"	0.833		72.2	21-124				
Hexachlorobutadiene	0.579	0.0417	"	0.833		69.5	10-149				
Hexachlorocyclopentadiene	0.671	0.0417	"	0.833		80.6	10-129				
Hexachloroethane	0.541	0.0417	"	0.833		65.0	28-108				
Indeno(1,2,3-cd)pyrene	0.701	0.0417	"	0.833		84.2	10-135				
Isophorone	0.627	0.0417	"	0.833		75.3	20-132				
Naphthalene	0.638	0.0417	"	0.833		76.6	23-124				
Nitrobenzene	0.616	0.0417	"	0.833		73.9	13-132				
N-Nitrosodimethylamine	0.591	0.0417	"	0.833		70.9	11-129				
N-nitroso-di-n-propylamine	0.573	0.0417	"	0.833		68.8	24-119				
N-Nitrosodiphenylamine	0.801	0.0417	"	0.833		96.2	22-152				
Pentachlorophenol	0.600	0.0417	"	0.833		72.0	10-139				
Phenanthrene	0.672	0.0417	"	0.833		80.6	33-123				
Phenol	0.609	0.0417	"	0.833		73.0	23-115				
Pyrene	0.669	0.0417	"	0.833		80.2	32-130				
Pyridine	0.483	0.167	"	0.833		57.9	10-91				
Surrogate: SURR: 2-Fluorophenol	1.21		"	1.67		72.4	20-108				
Surrogate: SURR: Phenol-d5	1.14		"	1.67		68.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.614		"	0.833		73.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.602		"	0.833		72.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.32		"	1.67		79.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.633		"	0.833		76.0	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 BB90170 - EPA 3550C

Blank (BB90170-BLK1)

Prepared & Analyzed: 02/05/2019

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	"								
<i>Surrogate: Decachlorobiphenyl</i>	76.8		"	67.0		115		30-150			
<i>Surrogate: Tetrachloro-m-xylene</i>	62.6		"	67.3		93.0		30-150			

LCS (BB90170-BS1)

Prepared & Analyzed: 02/05/2019

4,4'-DDD	25.0	0.330	ug/kg wet	33.3		75.1		40-140			
4,4'-DDE	30.9	0.330	"	33.3		92.8		40-140			
4,4'-DDT	28.1	0.330	"	33.3		84.2		40-140			
Aldrin	29.2	0.330	"	33.3		87.5		40-140			
alpha-BHC	32.8	0.330	"	33.3		98.4		40-140			
alpha-Chlordane	27.9	0.330	"	33.3		83.8		40-140			
beta-BHC	29.3	0.330	"	33.3		87.9		40-140			
delta-BHC	32.4	0.330	"	33.3		97.2		40-140			
Dieldrin	28.5	0.330	"	33.3		85.6		40-140			
Endosulfan I	28.4	0.330	"	33.3		85.1		40-140			
Endosulfan II	23.8	0.330	"	33.3		71.5		40-140			
Endosulfan sulfate	28.2	0.330	"	33.3		84.5		40-140			
Endrin	27.5	0.330	"	33.3		82.5		40-140			
Endrin aldehyde	23.7	0.330	"	33.3		71.0		40-140			
Endrin ketone	30.2	0.330	"	33.3		90.6		40-140			
gamma-BHC (Lindane)	30.8	0.330	"	33.3		92.5		40-140			
gamma-Chlordane	27.5	0.330	"	33.3		82.4		40-140			
Heptachlor	30.9	0.330	"	33.3		92.8		40-140			
Heptachlor epoxide	28.0	0.330	"	33.3		83.9		40-140			
Methoxychlor	21.2	1.65	"	33.3		63.7		40-140			
<i>Surrogate: Decachlorobiphenyl</i>	66.1		"	67.0		98.7		30-150			
<i>Surrogate: Tetrachloro-m-xylene</i>	56.4		"	67.3		83.8		30-150			



Organochlorine Pesticides by GC/ECD - 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 Y9B0632 - BA90725

Performance Mix (Y9B0632-PEM1)

Prepared & Analyzed: 02/05/2019

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.244		"	0.00			0-200				
4,4'-DDT	287		"	200		143	0-200				
Endrin	98.7		"	100		98.7	0-200				
Endrin aldehyde	0.482		"	0.00			0-200				
Endrin ketone	4.26		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90170 - EPA 3550C

Blank (BB90170-BLK2)

Prepared & Analyzed: 02/05/2019

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>	0.0727		"	0.0673		108	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0783		"	0.0670		117	30-140				

LCS (BB90170-BS2)

Prepared & Analyzed: 02/05/2019

Aroclor 1016	0.326	0.0167	mg/kg wet	0.333		97.7	40-130				
Aroclor 1260	0.348	0.0167	"	0.333		104	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0720		"	0.0673		107	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0763		"	0.0670		114	30-140				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90134 - EPA 3050B

Blank (BB90134-BLK1)

Prepared: 02/04/2019 Analyzed: 02/05/2019

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Duplicate (BB90134-DUP1)

*Source sample: 19A1225-04 (LSB-6B)

Prepared: 02/04/2019 Analyzed: 02/05/2019

Aluminum	2960	5.19	mg/kg dry		2710				9.02	35	
Antimony	ND	2.59	"		ND					35	
Arsenic	ND	1.56	"		ND					35	
Barium	22.5	2.59	"		27.4				19.7	35	
Beryllium	ND	0.052	"		ND					35	
Cadmium	ND	0.311	"		ND					35	
Calcium	773	5.19	"		764				1.17	35	
Chromium	6.82	0.519	"		6.97				2.07	35	
Cobalt	4.04	0.415	"		4.41				8.78	35	
Copper	7.74	2.07	"		7.94				2.43	35	
Iron	5670	25.9	"		5460				3.73	35	
Lead	1.96	0.519	"		1.38				34.6	35	
Magnesium	1600	5.19	"		1560				2.52	35	
Manganese	161	0.519	"		161				0.0741	35	
Nickel	15.0	1.04	"		14.9				0.736	35	
Potassium	671	5.19	"		553				19.2	35	
Selenium	ND	2.59	"		ND					35	
Silver	ND	0.519	"		ND					35	
Sodium	96.6	51.9	"		89.3				7.88	35	
Thallium	ND	2.59	"		ND					35	
Vanadium	7.02	1.04	"		6.70				4.59	35	
Zinc	10.5	2.59	"		9.62				8.57	35	



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BB90134 - EPA 3050B

Matrix Spike (BB90134-MS1)	*Source sample: 19A1225-04 (LSB-6B)					Prepared: 02/04/2019 Analyzed: 02/05/2019					
Aluminum	3120	5.19	mg/kg dry	207	2710	200	75-125	High Bias			
Antimony	23.0	2.59	"	25.9	ND	88.7	75-125				
Arsenic	206	1.56	"	207	ND	99.2	75-125				
Barium	235	2.59	"	207	27.4	100	75-125				
Beryllium	5.32	0.052	"	5.19	ND	103	75-125				
Cadmium	5.38	0.311	"	5.19	ND	104	75-125				
Calcium	898	5.19	"	104	764	129	75-125	High Bias			
Chromium	27.8	0.519	"	20.7	6.97	100	75-125				
Cobalt	57.1	0.415	"	51.9	4.41	102	75-125				
Copper	37.0	2.07	"	25.9	7.94	112	75-125				
Iron	5280	25.9	"	104	5460	NR	75-125	Low Bias			
Lead	54.1	0.519	"	51.9	1.38	102	75-125				
Magnesium	1760	5.19	"	104	1560	194	75-125	High Bias			
Manganese	210	0.519	"	51.9	161	94.0	75-125				
Nickel	67.9	1.04	"	51.9	14.9	102	75-125				
Potassium	687	5.19	"	104	553	129	75-125	High Bias			
Selenium	189	2.59	"	207	ND	91.1	75-125				
Silver	4.63	0.519	"	5.19	ND	89.3	75-125				
Sodium	216	51.9	"	104	89.3	122	75-125				
Thallium	217	2.59	"	207	ND	104	75-125				
Vanadium	58.2	1.04	"	51.9	6.70	99.2	75-125				
Zinc	60.6	2.59	"	51.9	9.62	98.3	75-125				

Reference (BB90134-SRM1)						Prepared: 02/04/2019 Analyzed: 02/05/2019					
Aluminum	7730	5.00	mg/kg wet	8360		92.5	39.4-160.5				
Antimony	72.6	2.50	"	75.5		96.2	25.1-275.7				
Arsenic	166	1.50	"	161		103	69.9-132.9				
Barium	257	2.50	"	260		98.8	71.5-136.3				
Beryllium	101	0.050	"	97.6		104	75.4-138.1				
Cadmium	213	0.300	"	211		101	73.3-141.5				
Calcium	4840	5.00	"	4760		102	73.7-136.1				
Chromium	138	0.500	"	136		101	69.1-143.3				
Cobalt	52.2	0.400	"	48.2		108	74.6-142				
Copper	185	2.00	"	166		111	72.7-141.6				
Iron	12300	25.0	"	14100		87.2	35.6-163.9				
Lead	112	0.500	"	111		101	70.8-137.1				
Magnesium	2200	5.00	"	2340		93.9	63.6-136.1				
Manganese	238	0.500	"	228		104	75.7-134.3				
Nickel	107	1.00	"	91.9		116	70.7-146.3				
Potassium	1930	5.00	"	2020		95.7	59.8-140.2				
Selenium	165	2.50	"	191		86.3	67.1-136.8				
Silver	46.0	0.500	"	43.3		106	66.5-139.5				
Sodium	250	50.0	"	218		115	40.6-159.8				
Thallium	162	2.50	"	156		104	68-136.2				
Vanadium	52.5	1.00	"	56.7		92.5	58.9-141.8				
Zinc	195	2.50	"	199		97.8	69.5-131.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			
Batch BB90282 - EPA 7473 soil											
Blank (BB90282-BLK1)										Prepared & Analyzed: 02/06/2019	
Mercury	ND	0.0300	mg/kg wet								
Reference (BB90282-SRM1)										Prepared & Analyzed: 02/06/2019	
Mercury	3.8275		mg/kg	3.71		103		65-135			



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
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Batch BB90130 - % Solids Prep

Duplicate (BB90130-DUP1)	*Source sample: 19A1225-02 (LSB-2B)						Prepared & Analyzed: 02/04/2019				
% Solids	85.4	0.100	%		83.6				2.12	20	



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB90188 - EPA SW846-3060											
Blank (BB90188-BLK1)										Prepared & Analyzed: 02/05/2019	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BB90188-DUP1)										*Source sample: 19A1225-02 (LSB-2B) Prepared & Analyzed: 02/05/2019	
Chromium, Hexavalent	ND	0.598	mg/kg dry		ND						35
Matrix Spike (BB90188-MS1)										*Source sample: 19A1225-02 (LSB-2B) Prepared & Analyzed: 02/05/2019	
Chromium, Hexavalent	23.2	0.598	mg/kg dry	23.9	ND	97.0	75-125				
Reference (BB90188-SRM1)										Prepared & Analyzed: 02/05/2019	
Chromium, Hexavalent	34.1		mg/L	76.9		44.3	20.3-212				
Batch BB90189 - EPA SW846-3060											
Blank (BB90189-BLK1)										Prepared & Analyzed: 02/05/2019	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BB90189-SRM1)										Prepared & Analyzed: 02/05/2019	
Chromium, Hexavalent	51.5		mg/L	76.9		67.0	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19A1225-01	LSB-2A	40mL Vial with Stir Bar-Cool 4° C
19A1225-02	LSB-2B	40mL Vial with Stir Bar-Cool 4° C
19A1225-03	LSB-6A	40mL Vial with Stir Bar-Cool 4° C
19A1225-04	LSB-6B	40mL Vial with Stir Bar-Cool 4° C
19A1225-05	SB-Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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Field Chain-of-Custody Record

YORK Project No.
19A1225

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: Lanyon Engineering	Company: Lanyon Engineering	Company: Lanyon Engineering	Company: Lanyon Engineering	Company: Lanyon Engineering	Company: Lanyon Engineering	60 Norfolk	RUSH - Next Day	RUSH - Next Day	
Address: 300 Kimball Drive, Parsippany NJ	Address: 300 Kimball Dr. Parsippany NJ	Address: 300 Kimball Dr. Parsippany NJ	Address: 300 Kimball Dr. Parsippany NJ	Address: 300 Kimball Dr. Parsippany NJ	Address: 300 Kimball Dr. Parsippany NJ	YOUR Project Name	RUSH - Two Day	RUSH - Two Day	
Phone: 973.560.4900	Phone: 973.560.4900	Phone: 973.560.4900	Phone: 973.560.4900	Phone: 973.560.4900	Phone: 973.560.4900	100 6416 301	RUSH - Three Day	RUSH - Three Day	
Contact: Sam Haines	Contact: Matthew Oleske	Contact: Matthew Oleske	Contact: Matthew Oleske	Contact: Matthew Oleske	Contact: Matthew Oleske		RUSH - Four Day	RUSH - Four Day	
E-mail: shaines@lanyon.com	E-mail: moleske@lanyon.com	E-mail: moleske@lanyon.com	E-mail: moleske@lanyon.com	E-mail: moleske@lanyon.com	E-mail: moleske@lanyon.com		Standard (5-7 Day)	Standard (5-7 Day)	<input checked="" type="checkbox"/>

YOUR PO#:

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQUS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS
NY ASP B Package	NJDEP SRP HazSite	Other:
	NJDKQP	

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
LSB-2A	S	1/29/19 0830	VOCS, SVOCs, Pesticides, PCBs, Total Metals	1x 8oz jar
LSB-2B	S	0900	Hexavalent Chromium	4x 40mL vials
LSB-1A	S	1335		
LSB-6B	S	1400		
SB-Trip Blank	AQ	-	VOCS	2x 160mL vials

Comments:

Preservation: (check all that apply)
 HCl ___ MeOH HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
 Ascorbic Acid ___ Other: ___

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received in Lab by	Date/Time	Temp. Received at Lab
Amphair Lanyon	1/29/19 16:07	Buford YORK	1/29/19 16:00	J. Hale	1/29/19-1939	3.1 Degrees C



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

Report Date: 02/08/2019
Client Project ID: 100646801
York Project (SDG) No.: 19A1289

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

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 January 30, 2019 and listed below. The project was identified as your project: **100646801**.

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>
19A1289-01	LSB-7A	Soil	01/30/2019	01/30/2019
19A1289-02	LSB-7B	Soil	01/30/2019	01/30/2019
19A1289-03	SB-Dup-1	Soil	01/30/2019	01/30/2019
19A1289-04	SB-FB	Water	01/30/2019	01/30/2019
19A1289-05	SB-Trip Blank-2	Water	01/30/2019	01/30/2019
19A1289-06	LMW-5	Water	01/30/2019	01/30/2019
19A1289-07	MW-Dup-1	Water	01/30/2019	01/30/2019
19A1289-08	LMW-4	Water	01/30/2019	01/30/2019
19A1289-09	LMW-2	Water	01/30/2019	01/30/2019
19A1289-10	LMW-6	Water	01/30/2019	01/30/2019
19A1289-11	MW-Trip Blank-1	Water	01/30/2019	01/30/2019
19A1289-12	MW-Trip Blank-2	Water	01/30/2019	01/30/2019
19A1289-13	MW-Trip Blank-3	Water	01/30/2019	01/30/2019
19A1289-14	MW-FB	Water	01/30/2019	01/30/2019

General Notes for York Project (SDG) No.: 19A1289

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/08/2019





Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
19A1289	100646801	Soil	January 30, 2019 9:10 am	01/30/2019

Volatiles, 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	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 13:33	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 13:33	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications:	02/06/2019 07:30	02/06/2019 13:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:10 am

01/30/2019

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 13:33	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
67-64-1	Acetone	0.017	CCV-E, ICV-E, SCAL-E	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:10 am

01/30/2019

Volatiles, 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
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications:	02/06/2019 07:30	02/06/2019 13:33	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:10 am

01/30/2019

Volatiles, 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
108-88-3	Toluene	0.0035	J	mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 13:33	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 13:33	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	95.4 %		
2037-26-5	Surrogate: SURRE: Toluene-d8	104 %		
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	109 %		

Semivolatiles, 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	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

York Project (SDG) No.

Client Project ID

Matrix

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19A1289

100646801

Soil

January 30, 2019 9:10 am

01/30/2019

Semivolatiles, 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	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
91-57-6	2-Methylnaphthalene	0.106		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
83-32-9	Acenaphthene	0.339		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
208-96-8	Acenaphthylene	0.423		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:10 am

01/30/2019

Semivolatiles, 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	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
120-12-7	Anthracene	1.33		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
100-52-7	Benzaldehyde	0.0587	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
56-55-3	Benzo(a)anthracene	3.66		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/07/2019 12:59	SR
50-32-8	Benzo(a)pyrene	2.37		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/07/2019 12:59	SR
205-99-2	Benzo(b)fluoranthene	3.43		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/07/2019 12:59	SR
191-24-2	Benzo(g,h,i)perylene	2.36		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
207-08-9	Benzo(k)fluoranthene	2.84		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
86-74-8	Carbazole	0.631		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
218-01-9	Chrysene	3.64		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/07/2019 12:59	SR
53-70-3	Dibenzo(a,h)anthracene	0.818		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
132-64-9	Dibenzofuran	0.265		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:10 am	<u>Date Received</u> 01/30/2019
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Semivolatiles, 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	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
206-44-0	Fluoranthene	8.12		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/07/2019 12:59	SR
86-73-7	Fluorene	0.443		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
193-39-5	Indeno(1,2,3-cd)pyrene	2.14		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
91-20-3	Naphthalene	0.218		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
85-01-8	Phenanthrene	5.41		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/07/2019 12:59	SR
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
129-00-0	Pyrene	6.64		mg/kg dry	0.239	0.476	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/07/2019 12:59	SR
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:12	SR
	Surrogate Recoveries	Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.2 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	68.1 %		23-114							



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:10 am	<u>Date Received</u> 01/30/2019
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Semivolatiles, 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
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	73.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.6 %			24-116						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
50-29-3	4,4'-DDT	2.87		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
309-00-2	Aldrin	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/06/2019 14:26	02/07/2019 13:57	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
57-74-9	Chlordane, total	ND		ug/kg dry	37.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/06/2019 14:26	02/07/2019 13:57	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
72-20-8	Endrin	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
7421-93-4	Endrin aldehyde	3.72		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/06/2019 14:26	02/07/2019 13:57	CM



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:10 am

01/30/2019

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	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.37	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
8001-35-2	Toxaphene	ND		ug/kg dry	94.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:57	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	59.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	44.8 %	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	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:12	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:12	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:12	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:12	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:12	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:12	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:12	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	02/06/2019 14:26	02/07/2019 13:12	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.3 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	48.2 %	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	5160		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:10 am	<u>Date Received</u> 01/30/2019
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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	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-39-3	Barium	86.6		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.347	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-70-2	Calcium	14900		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-47-3	Chromium	11.0		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-48-4	Cobalt	5.40		mg/kg dry	0.463	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-50-8	Copper	14.8		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7439-89-6	Iron	9400		mg/kg dry	28.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7439-92-1	Lead	456		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7439-95-4	Magnesium	3200		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7439-96-5	Manganese	295		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-02-0	Nickel	22.7		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-09-7	Potassium	950		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-22-4	Silver	ND		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-23-5	Sodium	109		mg/kg dry	57.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-28-0	Thallium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-62-2	Vanadium	14.9		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML
7440-66-6	Zinc	94.7		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:15	BML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-7A

York Sample ID: 19A1289-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Soil, January 30, 2019 9:10 am, 01/30/2019

Sample Prepared by Method: EPA 7473 soil

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 7439-97-6 Mercury, 0.223, mg/kg dry, 0.0347, 1, EPA 7473, 02/07/2019 11:19, 02/07/2019 15:30, SY. Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: solids * % Solids, 86.4, %, 0.100, 1, SM 2540G, 02/04/2019 13:20, 02/04/2019 18:14, TJM. Certifications: CTDOH

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

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: 18540-29-9 Chromium, Hexavalent, ND, mg/kg dry, 0.579, 1, EPA 7196A, 02/06/2019 08:46, 02/06/2019 16:43, MAC. Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP

Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Soil, January 30, 2019 9:20 am, 01/30/2019

Volatiles, 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: 630-20-6 1,1,1,2-Tetrachloroethane, 71-55-6 1,1,1-Trichloroethane, 79-34-5 1,1,2,2-Tetrachloroethane, 76-13-1 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 79-00-5 1,1,2-Trichloroethane, 75-34-3 1,1-Dichloroethane, 75-35-4 1,1-Dichloroethylene. All results are ND.



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:20 am

01/30/2019

Volatiles, 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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 14:02	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications:	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 14:02	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
67-64-1	Acetone	0.014	CCV-E, ICV-E, SCAL-E	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

York Project (SDG) No.

Client Project ID

Matrix

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19A1289

100646801

Soil

January 30, 2019 9:20 am

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications:	02/06/2019 07:30	02/06/2019 14:02	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

York Project (SDG) No.

Client Project ID

Matrix

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19A1289

100646801

Soil

January 30, 2019 9:20 am

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-09-2	Methylene chloride	0.0058	J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.026	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
108-88-3	Toluene	0.0034	J	mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
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	02/06/2019 07:30	02/06/2019 14:02	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:02	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 14:02	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 *Surrogate: SURR: 1,2-Dichloroethane-d4* 100 %

77-125



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

York Project (SDG) No.

Client Project ID

Matrix

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100646801

Soil

January 30, 2019 9:20 am

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURR: Toluene-d8	98.1 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.1 %			76-130						

Semivolatiles, 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	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

York Project (SDG) No.

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100646801

Soil

January 30, 2019 9:20 am

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.355	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:20 am

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0886	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:20 am	<u>Date Received</u> 01/30/2019
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
108-95-2	Phenol	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0444	0.0886	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 20:43	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURRE: 2-Fluorophenol	67.3 %	20-108
4165-62-2	Surrogate: SURRE: Phenol-d5	64.7 %	23-114
4165-60-0	Surrogate: SURRE: Nitrobenzene-d5	66.0 %	22-108
321-60-8	Surrogate: SURRE: 2-Fluorobiphenyl	67.4 %	21-113
118-79-6	Surrogate: SURRE: 2,4,6-Tribromophenol	70.3 %	19-110
1718-51-0	Surrogate: SURRE: Terphenyl-d14	77.1 %	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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:20 am	<u>Date Received</u> 01/30/2019
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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
309-00-2	Aldrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/06/2019 14:26	02/07/2019 14:12	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
57-74-9	Chlordane, total	ND		ug/kg dry	35.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/06/2019 14:26	02/07/2019 14:12	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
72-20-8	Endrin	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/06/2019 14:26	02/07/2019 14:12	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.80	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
8001-35-2	Toxaphene	ND		ug/kg dry	89.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:12	CM
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	60.6 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	62.7 %			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
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: LSB-7B

York Sample ID: 19A1289-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19A1289	100646801	Soil	January 30, 2019 9:20 am	01/30/2019

12674-11-2	Aroclor 1016	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:26	TJD
11104-28-2	Aroclor 1221	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:26	TJD
11141-16-5	Aroclor 1232	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:26	TJD
53469-21-9	Aroclor 1242	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:26	TJD
12672-29-6	Aroclor 1248	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:26	TJD
11097-69-1	Aroclor 1254	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:26	TJD
11096-82-5	Aroclor 1260	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:26	TJD
1336-36-3	* Total PCBs	ND	mg/kg dry	0.0178	1	EPA 8082A Certifications:	02/06/2019 14:26	02/07/2019 13:26	TJD

Surrogate Recoveries

	Surrogate	Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	71.2 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	52.9 %	30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3840		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-36-0	Antimony	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-39-3	Barium	21.5		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-70-2	Calcium	2300		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-47-3	Chromium	7.92		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-48-4	Cobalt	5.09		mg/kg dry	0.429	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-50-8	Copper	10.9		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7439-89-6	Iron	8300		mg/kg dry	26.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7439-92-1	Lead	3.83		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML



Sample Information

Client Sample ID: LSB-7B

York Sample ID: 19A1289-02

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:20 am	<u>Date Received</u> 01/30/2019
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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
7439-95-4	Magnesium	2750		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7439-96-5	Manganese	300		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-02-0	Nickel	17.2		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-09-7	Potassium	820		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7782-49-2	Selenium	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-23-5	Sodium	178		mg/kg dry	53.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-28-0	Thallium	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-62-2	Vanadium	9.87		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML
7440-66-6	Zinc	16.1		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:17	BML

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	0.0322	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	02/07/2019 11:19	02/07/2019 15:39	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.2		%	0.100	1	SM 2540G Certifications: CTDOH	02/04/2019 13:20	02/04/2019 18:14	TJM

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	0.537	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	02/06/2019 08:46	02/06/2019 16:43	MAC



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 14:30	SS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	02/06/2019 07:30	02/06/2019 14:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 14:30	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
67-64-1	Acetone	0.015	CCV-E, SCAL-E, ICV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
108-20-3	* Diisopropyl ether (DIPE)	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications:	02/06/2019 07:30	02/06/2019 14:30	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-09-2	Methylene chloride	0.0060	J	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.026	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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
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	02/06/2019 07:30	02/06/2019 14:30	SS
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	02/06/2019 07:30	02/06/2019 14:30	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/06/2019 07:30	02/06/2019 14:30	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/06/2019 07:30	02/06/2019 14:30	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	97.1 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	93.9 %			76-130						

Semivolatiles, 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	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:30 am

01/30/2019

Semivolatiles, 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	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
62-53-3	Aniline	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Soil

January 30, 2019 9:30 am

01/30/2019

Semivolatiles, 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 list various chemical compounds like Anthracene, Atrazine, Benzaldehyde, etc., with their respective results and analysis details.



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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Semivolatiles, 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	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
108-95-2	Phenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 08:01	02/06/2019 21:15	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.5 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	72.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	76.6 %	19-110								



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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Semivolatiles, 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: SURR: Terphenyl-d14	82.2 %			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	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
309-00-2	Aldrin	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
319-84-6	alpha-BHC	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/06/2019 14:26	02/07/2019 14:27	CM
319-85-7	beta-BHC	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
57-74-9	Chlordane, total	ND		ug/kg dry	40.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
319-86-8	delta-BHC	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
60-57-1	Dieldrin	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
959-98-8	Endosulfan I	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	02/06/2019 14:26	02/07/2019 14:27	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
72-20-8	Endrin	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	02/06/2019 14:26	02/07/2019 14:27	CM
76-44-8	Heptachlor	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.03	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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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	10.1	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
8001-35-2	Toxaphene	ND		ug/kg dry	103	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 14:27	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	71.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.6 %	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	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:39	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:39	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:39	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:39	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:39	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:39	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/06/2019 14:26	02/07/2019 13:39	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications:	02/06/2019 14:26	02/07/2019 13:39	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	72.7 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	52.6 %	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	3910		mg/kg dry	6.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-36-0	Antimony	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML



Sample Information

Client Sample ID: SB-Dup-1

York Sample ID: 19A1289-03

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> January 30, 2019 9:30 am	<u>Date Received</u> 01/30/2019
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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	33.8		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.373	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-70-2	Calcium	1600		mg/kg dry	6.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-47-3	Chromium	8.46		mg/kg dry	0.622	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-48-4	Cobalt	4.75		mg/kg dry	0.498	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-50-8	Copper	10.4		mg/kg dry	2.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7439-89-6	Iron	8200		mg/kg dry	31.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7439-92-1	Lead	2.86		mg/kg dry	0.622	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7439-95-4	Magnesium	2150		mg/kg dry	6.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7439-96-5	Manganese	311		mg/kg dry	0.622	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-02-0	Nickel	16.0		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-09-7	Potassium	923		mg/kg dry	6.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7782-49-2	Selenium	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-23-5	Sodium	153		mg/kg dry	62.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-28-0	Thallium	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-62-2	Vanadium	9.22		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML
7440-66-6	Zinc	15.7		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:02	02/06/2019 12:19	BML

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-Dup-1

York Sample ID: 19A1289-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Soil, January 30, 2019 9:30 am, 01/30/2019

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: 7439-97-6 Mercury, ND, mg/kg dry, 0.0373, 1, EPA 7473, 02/07/2019 11:19, 02/07/2019 15:48, SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: solids * % Solids, 80.3, %, 0.100, 1, SM 2540G, 02/04/2019 13:20, 02/04/2019 18:14, TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

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: 18540-29-9 Chromium, Hexavalent, ND, mg/kg dry, 0.622, 1, EPA 7196A, 02/06/2019 08:46, 02/06/2019 16:43, MAC

Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Water, January 30, 2019 2:50 pm, 01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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: 630-20-6, 71-55-6, 79-34-5, 76-13-1, 79-00-5, 75-34-3



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:50 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 19:09	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 19:09	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:50 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:50 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:09	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 19:09	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	70-130
2037-26-5	Surrogate: SURR: Toluene-d8	97.9 %	70-130
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	70-130



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

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19A1289

100646801

Water

January 30, 2019 2:50 pm

01/30/2019

Semivolatiles, 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	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19A1289

100646801

Water

January 30, 2019 2:50 pm

01/30/2019

Semivolatiles, 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	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
100-02-7	4-Nitrophenol	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
92-87-5	Benzidine	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.21	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

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100646801

Water

January 30, 2019 2:50 pm

01/30/2019

Semivolatiles, 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
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.06	12.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
110-86-1	Pyridine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 16:57	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	21.8 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	13.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.3 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	87.9 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.0 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
120-12-7	Anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
1912-24-9	Atrazine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:50 pm

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
218-01-9	Chrysene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
206-44-0	Fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
86-73-7	Fluorene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
67-72-1	Hexachloroethane	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
91-20-3	Naphthalene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
98-95-3	Nitrobenzene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:06	OW
85-01-8	Phenanthrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW
129-00-0	Pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:06	OW

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	02/05/2019 07:33	02/06/2019 16:21	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:50 pm

01/30/2019

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
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:21	CM

Surrogate Recoveries

Result

Acceptance Range

2051-24-3 Surrogate: Decachlorobiphenyl 53.4 %

30-150

877-09-8 Surrogate: Tetrachloro-m-xylene 41.5 %

30-150

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 13:53	TJD



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 2:50 pm	<u>Date Received</u> 01/30/2019
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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
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 13:53	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 13:53	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 13:53	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 13:53	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 13:53	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 13:53	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	02/05/2019 07:33	02/07/2019 13:53	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.8 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	75.7 %	30-120							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		ug/L	56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-36-0	Antimony	ND		ug/L	28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-38-2	Arsenic	ND		ug/L	17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-39-3	Barium	ND		ug/L	28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-41-7	Beryllium	ND		ug/L	0.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-43-9	Cadmium	ND		ug/L	3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-70-2	Calcium	85	B	ug/L	56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-47-3	Chromium	ND		ug/L	6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-48-4	Cobalt	ND		ug/L	4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-50-8	Copper	ND		ug/L	22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7439-89-6	Iron	ND		ug/L	278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML



Sample Information

Client Sample ID: SB-FB

York Sample ID: 19A1289-04

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 2:50 pm	<u>Date Received</u> 01/30/2019
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7439-95-4	Magnesium	ND		ug/L	56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7439-96-5	Manganese	ND		ug/L	6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-02-0	Nickel	ND		ug/L	11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-09-7	Potassium	109		ug/L	56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7782-49-2	Selenium	ND		ug/L	28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-22-4	Silver	ND		ug/L	6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-23-5	Sodium	ND		ug/L	556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-28-0	Thallium	ND		ug/L	28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-62-2	Vanadium	ND		ug/L	11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	BML
7440-66-6	Zinc	ND		ug/L	28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:53	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	02/07/2019 09:36	02/07/2019 10:24	SY

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	01/31/2019 08:46	01/31/2019 09:19	MAC

Sample Information

Client Sample ID: SB-Trip Blank-2

York Sample ID: 19A1289-05

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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Sample Information

Client Sample ID: SB-Trip Blank-2

York Sample ID: 19A1289-05

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 19:38	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 19:38	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS



Sample Information

Client Sample ID: SB-Trip Blank-2

York Sample ID: 19A1289-05

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS



Sample Information

Client Sample ID: SB-Trip Blank-2

York Sample ID: 19A1289-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:00 am

01/30/2019

Volatiles, 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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 19:38	RDS



Sample Information

Client Sample ID: SB-Trip Blank-2

York Sample ID: 19A1289-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Water, January 30, 2019 12:00 am, 01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table for SB-Trip Blank-2 with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes surrogate recoveries for SURR: 1,2-Dichloroethane-d4, SURR: Toluene-d8, and SURR: p-Bromofluorobenzene.

Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Water, January 30, 2019 10:45 am, 01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table for LMW-5 with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various chlorinated hydrocarbons.



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 10:45 am

01/30/2019

Volatiles, 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
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 22:59	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 10:45 am

01/30/2019

Volatiles, 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 compounds like Bromobenzene, Chloroform, etc., with their respective results and analysis details.



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 10:45 am

01/30/2019

Volatiles, 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	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
127-18-4	Tetrachloroethylene	0.590		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 22:59	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 22:59	RDS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %
2037-26-5	Surrogate: SURRE: Toluene-d8	90.3 %
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 17:31	OW



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

York Project (SDG) No.

Client Project ID

Matrix

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, etc.



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

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Client Project ID

Matrix

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Water

January 30, 2019 10:45 am

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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 include various chemical compounds like 4,6-Dinitro-2-methylphenol, 4-Bromophenyl phenyl ether, etc.



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

York Project (SDG) No.

Client Project ID

Matrix

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Water

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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 data for various compounds like Di-n-octyl phthalate, Hexachlorocyclopentadiene, Isophorone, etc., and a Surrogate Recoveries section.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes data for Acenaphthene, Anthracene, Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate.



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

York Project (SDG) No.

Client Project ID

Matrix

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19A1289

100646801

Water

January 30, 2019 10:45 am

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW
206-44-0	Fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW
86-73-7	Fluorene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:37	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:37	OW
67-72-1	Hexachloroethane	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:37	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW
91-20-3	Naphthalene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW
98-95-3	Nitrobenzene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:37	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:37	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 12:37	OW
85-01-8	Phenanthrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW
129-00-0	Pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 12:37	OW

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	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 10:45 am	<u>Date Received</u> 01/30/2019
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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
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
57-74-9	Chlordane, total	ND		ug/L	0.0216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:36	CM
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	50.6 %			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	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:06	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:06	TJD



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

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Water

January 30, 2019 10:45 am

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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
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:06	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:06	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:06	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:06	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:06	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	02/05/2019 07:33	02/07/2019 14:06	TJD

Surrogate Recoveries

Result

Acceptance Range

877-09-8 Surrogate: Tetrachloro-m-xylene 71.7 % 30-120

2051-24-3 Surrogate: Decachlorobiphenyl 79.0 % 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	0.0700		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-70-2	Calcium	286	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-47-3	Chromium	0.00783		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7439-95-4	Magnesium	171		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7439-96-5	Manganese	0.285		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-09-7	Potassium	20.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 10:45 am	<u>Date Received</u> 01/30/2019
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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-23-5	Sodium	103		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:56	BML

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		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-70-2	Calcium	281		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-47-3	Chromium	0.00688		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7439-95-4	Magnesium	169		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7439-96-5	Manganese	0.274		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-09-7	Potassium	19.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-23-5	Sodium	91.8		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:04	BML



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 10:45 am	<u>Date Received</u> 01/30/2019
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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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:40	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:40	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:40	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:40	KML
7782-49-2	Selenium	0.0256		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:40	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:40	KML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:52	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:52	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:52	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:52	KML
7782-49-2	Selenium	0.0231		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:52	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:52	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2019 09:36	02/07/2019 10:35	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	02/04/2019 10:03	02/04/2019 10:54	SY



Sample Information

Client Sample ID: LMW-5

York Sample ID: 19A1289-06

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 10:45 am	<u>Date Received</u> 01/30/2019
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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	01/31/2019 08:46	01/31/2019 09:19	MAC

Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 11:00 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 23:27	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 23:27	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

Volatiles, 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
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

Volatiles, 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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
127-18-4	Tetrachloroethylene	0.450		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:27	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 23:27	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	97.5 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %			70-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

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19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	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	02/05/2019 08:31	02/05/2019 18:04	OW



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:04	OW
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	20.5 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	12.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.0 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.2 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.0 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	55.2 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
120-12-7	Anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
218-01-9	Chrysene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
206-44-0	Fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
86-73-7	Fluorene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 11:00 am	<u>Date Received</u> 01/30/2019
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
91-20-3	Naphthalene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 13:16	OW
85-01-8	Phenanthrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW
129-00-0	Pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 13:16	OW

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	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
309-00-2	Aldrin	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
319-84-6	alpha-BHC	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
319-85-7	beta-BHC	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
57-74-9	Chlordane, total	ND		ug/L	0.0250	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
319-86-8	delta-BHC	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
60-57-1	Dieldrin	0.00285		ug/L	0.00250	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

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
959-98-8	Endosulfan I	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
72-20-8	Endrin	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
76-44-8	Heptachlor	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
72-43-5	Methoxychlor	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
8001-35-2	Toxaphene	ND		ug/L	0.125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 16:51	CM
Surrogate Recoveries		Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	49.9 %			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	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:20	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:20	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:20	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:20	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:20	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:20	TJD



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 11:00 am	<u>Date Received</u> 01/30/2019
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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
11096-82-5	Aroclor 1260	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:20	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0625	1	EPA 8082A Certifications:	02/05/2019 07:33	02/07/2019 14:20	TJD
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	68.8 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	75.7 %					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	0.125		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-70-2	Calcium	282	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-47-3	Chromium	0.00725		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7439-95-4	Magnesium	165		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7439-96-5	Manganese	0.284		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-09-7	Potassium	19.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-23-5	Sodium	102		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 10:59	BML



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 11:00 am

01/30/2019

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		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-70-2	Calcium	284		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-47-3	Chromium	0.00767		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7439-95-4	Magnesium	171		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7439-96-5	Manganese	0.279		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-09-7	Potassium	19.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-23-5	Sodium	92.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:06	BML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:54	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:54	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:54	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:54	KML



Sample Information

Client Sample ID: MW-Dup-1

York Sample ID: 19A1289-07

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 11:00 am	<u>Date Received</u> 01/30/2019
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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
7782-49-2	Selenium	0.0216		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:54	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:54	KML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:57	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:57	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:57	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:57	KML
7782-49-2	Selenium	0.0226		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:57	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 12:57	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2019 09:36	02/07/2019 10:45	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	02/04/2019 10:03	02/04/2019 11:05	SY

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	01/31/2019 08:46	01/31/2019 09:19	MAC



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:20 pm

01/30/2019

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 23:56	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 23:56	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:20 pm

01/30/2019

Volatiles, 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 include various chemical compounds like 2,2-Dichloropropane, 2-Butanone, etc.



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

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100646801

Water

January 30, 2019 12:20 pm

01/30/2019

Volatiles, 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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
127-18-4	Tetrachloroethylene	0.550		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:20 pm

01/30/2019

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 23:56	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 23:56	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	70-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %	70-130								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	70-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:20 pm

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:20 pm	<u>Date Received</u> 01/30/2019
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/05/2019 18:38	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	34.7 %								19.7-63.1
4165-62-2	Surrogate: SURR: Phenol-d5	19.2 %								10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.2 %								50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.1 %								39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	89.6 %								39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.4 %								30.7-106

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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: LMW-4

York Sample ID: 19A1289-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:20 pm

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains data for various chemical compounds like Acenaphthene, Anthracene, Atrazine, etc.



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:20 pm

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:27	OW

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	02/05/2019 07:33	02/06/2019 17:06	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
309-00-2	Aldrin	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
319-84-6	alpha-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
319-85-7	beta-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
57-74-9	Chlordane, total	ND		ug/L	0.0242	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
319-86-8	delta-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
60-57-1	Dieldrin	ND		ug/L	0.00242	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
959-98-8	Endosulfan I	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
72-20-8	Endrin	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
76-44-8	Heptachlor	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:20 pm	<u>Date Received</u> 01/30/2019
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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
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
72-43-5	Methoxychlor	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
8001-35-2	Toxaphene	ND		ug/L	0.121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:06	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	48.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	44.3 %	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	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:33	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:33	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:33	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:33	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:33	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:33	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:33	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0606	1	EPA 8082A Certifications:	02/05/2019 07:33	02/07/2019 14:33	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.7 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	82.4 %	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	0.121		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-39-3	Barium	0.0418		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:20 pm	<u>Date Received</u> 01/30/2019
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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
7440-70-2	Calcium	121	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-47-3	Chromium	0.00923		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7439-95-4	Magnesium	84.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7439-96-5	Manganese	0.163		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-09-7	Potassium	18.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-23-5	Sodium	47.6		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:07	BML

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		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-39-3	Barium	0.0414		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-70-2	Calcium	124		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-47-3	Chromium	0.00849		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:20 pm

01/30/2019

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
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7439-95-4	Magnesium	88.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7439-96-5	Manganese	0.223		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-09-7	Potassium	17.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-23-5	Sodium	43.1		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:09	BML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:59	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:59	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:59	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:59	KML
7782-49-2	Selenium	0.0125		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:59	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 15:59	KML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:02	KML



Sample Information

Client Sample ID: LMW-4

York Sample ID: 19A1289-08

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:20 pm	<u>Date Received</u> 01/30/2019
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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
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:02	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:02	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:02	KML
7782-49-2	Selenium	0.0122		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:02	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:02	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2019 09:36	02/07/2019 10:56	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	02/04/2019 10:03	02/04/2019 11:16	SY

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	01/31/2019 08:46	01/31/2019 09:19	MAC

Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 1:25 pm	<u>Date Received</u> 01/30/2019
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 1:25 pm	<u>Date Received</u> 01/30/2019
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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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/05/2019 00:25	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/05/2019 00:25	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 1:25 pm

01/30/2019

Volatiles, 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
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
67-66-3	Chloroform	0.420		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 1:25 pm

01/30/2019

Volatiles, 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
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
127-18-4	Tetrachloroethylene	0.400		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

York Project (SDG) No.

Client Project ID

Matrix

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19A1289

100646801

Water

January 30, 2019 1:25 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:25	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/05/2019 00:25	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	98.0 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %			70-130						

Semivolatiles, 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	02/05/2019 08:31	02/06/2019 17:25	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

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100646801

Water

January 30, 2019 1:25 pm

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

York Project (SDG) No.

Client Project ID

Matrix

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19A1289

100646801

Water

January 30, 2019 1:25 pm

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	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	02/05/2019 08:31	02/06/2019 17:25	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:25	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	31.7 %	19.7-63.1
4165-62-2	Surrogate: SURR: Phenol-d5	19.4 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.4 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.7 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	101 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	99.4 %	30.7-106

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW



Sample Information

Client Sample ID: LMW-2

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Water

January 30, 2019 1:25 pm

01/30/2019

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
206-44-0	Fluoranthene	0.0667		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
91-20-3	Naphthalene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 17:58	OW
85-01-8	Phenanthrene	0.111		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW
129-00-0	Pyrene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 17:58	OW



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 1:25 pm

01/30/2019

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	02/05/2019 07:33	02/06/2019 17:21	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
309-00-2	Aldrin	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
319-84-6	alpha-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
319-85-7	beta-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
57-74-9	Chlordane, total	ND		ug/L	0.0242	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
319-86-8	delta-BHC	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
60-57-1	Dieldrin	0.00328		ug/L	0.00242	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
959-98-8	Endosulfan I	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
72-20-8	Endrin	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
76-44-8	Heptachlor	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
72-43-5	Methoxychlor	ND		ug/L	0.00485	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM
8001-35-2	Toxaphene	ND		ug/L	0.121	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:21	CM

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 1:25 pm	<u>Date Received</u> 01/30/2019
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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
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	48.9 %			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	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:47	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:47	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:47	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:47	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:47	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:47	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0606	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 14:47	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0606	1	EPA 8082A Certifications:	02/05/2019 07:33	02/07/2019 14:47	TJD

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	72.7 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	74.6 %	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	0.699		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-39-3	Barium	0.0879		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-70-2	Calcium	118	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 1:25 pm

01/30/2019

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	0.927		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7439-95-4	Magnesium	18.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7439-96-5	Manganese	0.857		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-09-7	Potassium	10.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-23-5	Sodium	28.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:09	BML

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		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-39-3	Barium	0.0702		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-70-2	Calcium	113		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7439-95-4	Magnesium	19.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7439-96-5	Manganese	0.838		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 1:25 pm

01/30/2019

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	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-09-7	Potassium	10.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-23-5	Sodium	24.7		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:17	BML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:04	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:04	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:04	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:04	KML
7782-49-2	Selenium	0.0119		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:04	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:04	KML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:07	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:07	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:07	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:07	KML
7782-49-2	Selenium	0.00836		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:07	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:07	KML



Sample Information

Client Sample ID: LMW-2

York Sample ID: 19A1289-09

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Water, January 30, 2019 1:25 pm, 01/30/2019

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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: 7439-97-6 Mercury, ND, mg/L, 0.00020, 1, EPA 7473, 02/07/2019 09:36, 02/07/2019 11:07, SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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: 7439-97-6 Mercury, ND, mg/L, 0.0002000, 1, EPA 7473, 02/04/2019 10:03, 02/04/2019 11:27, SY

Chromium, Hexavalent

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: 18540-29-9 Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 01/31/2019 08:46, 01/31/2019 09:19, MAC

Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Water, January 30, 2019 2:45 pm, 01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 1,1,2-Trichloroethane, 1,1-Dichloroethane.



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:45 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/05/2019 00:53	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/05/2019 00:53	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:45 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	1.02	CCV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:45 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/05/2019 00:53	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/05/2019 00:53	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %	70-130
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %	70-130
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	70-130



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:45 pm

01/30/2019

Semivolatiles, 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	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
95-57-8	2-Chlorophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
95-48-7	2-Methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
88-74-4	2-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
88-75-5	2-Nitrophenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

York Project (SDG) No.

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100646801

Water

January 30, 2019 2:45 pm

01/30/2019

Semivolatiles, 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	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
106-47-8	4-Chloroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
100-01-6	4-Nitroaniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
100-02-7	4-Nitrophenol	ND		ug/L	6.25	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
98-86-2	Acetophenone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
62-53-3	Aniline	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
100-52-7	Benzaldehyde	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
92-87-5	Benzidine	ND		ug/L	6.25	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
65-85-0	Benzoic acid	ND		ug/L	31.2	62.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
100-51-6	Benzyl alcohol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.25	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
105-60-2	Caprolactam	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
86-74-8	Carbazole	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
132-64-9	Dibenzofuran	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
84-66-2	Diethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
131-11-3	Dimethyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW



Sample Information

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Semivolatiles, 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
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
78-59-1	Isophorone	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
108-95-2	Phenol	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW
110-86-1	Pyridine	ND		ug/L	3.12	6.25	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 17:58	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	35.9 %	19.7-63.1
4165-62-2	Surrogate: SURR: Phenol-d5	17.2 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.3 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.0 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	76.0 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.3 %	30.7-106

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
120-12-7	Anthracene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
1912-24-9	Atrazine	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW



Sample Information

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
218-01-9	Chrysene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
206-44-0	Fluoranthene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
86-73-7	Fluorene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
67-72-1	Hexachloroethane	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
91-20-3	Naphthalene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
98-95-3	Nitrobenzene	ND		ug/L	0.312	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.312	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 14:50	OW
85-01-8	Phenanthrene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW
129-00-0	Pyrene	ND		ug/L	0.0625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 14:50	OW

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	02/05/2019 07:33	02/06/2019 17:36	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:36	CM

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	65.6 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	57.2 %								

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	02/05/2019 07:33	02/07/2019 15:00	TJD



Sample Information

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York Sample ID: 19A1289-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:45 pm

01/30/2019

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
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:00	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:00	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:00	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:00	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:00	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:00	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	02/05/2019 07:33	02/07/2019 15:00	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.6 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	74.6 %	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	0.604		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-39-3	Barium	0.187		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-70-2	Calcium	182	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7439-89-6	Iron	0.775		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7439-95-4	Magnesium	23.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7439-96-5	Manganese	5.05		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:45 pm

01/30/2019

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
7440-09-7	Potassium	12.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-23-5	Sodium	248		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:12	BML

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		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-39-3	Barium	0.176		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-70-2	Calcium	177		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7439-95-4	Magnesium	22.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7439-96-5	Manganese	5.01		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-09-7	Potassium	12.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-23-5	Sodium	223		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 2:45 pm

01/30/2019

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
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:19	BML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:09	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:09	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:09	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:09	KML
7782-49-2	Selenium	0.0112		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:09	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:09	KML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:12	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:12	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:12	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:12	KML
7782-49-2	Selenium	0.00900		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:12	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:12	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/07/2019 09:36	02/07/2019 11:18	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LMW-6

York Sample ID: 19A1289-10

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 2:45 pm	<u>Date Received</u> 01/30/2019
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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	02/04/2019 10:03	02/04/2019 11:37	SY

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	01/31/2019 08:46	01/31/2019 09:19	MAC

Sample Information

Client Sample ID: MW-Trip Blank-1

York Sample ID: 19A1289-11

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 20:06	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 20:06	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS



Sample Information

Client Sample ID: MW-Trip Blank-1

York Sample ID: 19A1289-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:00 am

01/30/2019

Volatiles, 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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS



Sample Information

Client Sample ID: MW-Trip Blank-1

York Sample ID: 19A1289-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:00 am

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:06	RDS



Sample Information

Client Sample ID: MW-Trip Blank-1

York Sample ID: 19A1289-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Water, January 30, 2019 12:00 am, 01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table with 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 various compounds like o-Xylene, p- & m- Xylenes, etc., and a section for Surrogate Recoveries.

Sample Information

Client Sample ID: MW-Trip Blank-2

York Sample ID: 19A1289-12

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 19A1289, 100646801, Water, January 30, 2019 12:00 am, 01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-Trip Blank-2

York Sample ID: 19A1289-12

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 20:35	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 20:35	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS



Sample Information

Client Sample ID: MW-Trip Blank-2

York Sample ID: 19A1289-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:00 am

01/30/2019

Volatiles, 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
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS



Sample Information

Client Sample ID: MW-Trip Blank-2

York Sample ID: 19A1289-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:00 am

01/30/2019

Volatiles, 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
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS



Sample Information

Client Sample ID: MW-Trip Blank-2

York Sample ID: 19A1289-12

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 20:35	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 20:35	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %			70-130						

Sample Information

Client Sample ID: MW-Trip Blank-3

York Sample ID: 19A1289-13

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 21:04	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 21:04	RDS



Sample Information

Client Sample ID: MW-Trip Blank-3

York Sample ID: 19A1289-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:00 am

01/30/2019

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS



Sample Information

Client Sample ID: MW-Trip Blank-3

York Sample ID: 19A1289-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 12:00 am

01/30/2019

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS



Sample Information

Client Sample ID: MW-Trip Blank-3

York Sample ID: 19A1289-13

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 12:00 am	<u>Date Received</u> 01/30/2019
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Volatiles, 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
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:04	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 21:04	RDS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	98.1 %	70-130
2037-26-5	Surrogate: SURRE: Toluene-d8	98.3 %	70-130
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	107 %	70-130

Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 3:00 pm	<u>Date Received</u> 01/30/2019
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Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 3:00 pm

01/30/2019

Volatiles, 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 21:32	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	02/04/2019 07:30	02/04/2019 21:32	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS



Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 3:00 pm

01/30/2019

Volatiles, 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
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS



Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 3:00 pm

01/30/2019

Volatiles, 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
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS



Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

York Project (SDG) No.

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100646801

Water

January 30, 2019 3:00 pm

01/30/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/04/2019 07:30	02/04/2019 21:32	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/04/2019 07:30	02/04/2019 21:32	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			70-130						
2037-26-5	Surrogate: SURR: Toluene-d8	97.8 %			70-130						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %			70-130						

Semivolatiles, 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	02/05/2019 08:31	02/06/2019 18:30	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW



Sample Information

Client Sample ID: MW-FB

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Water

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW



Sample Information

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Water

January 30, 2019 3:00 pm

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	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	02/05/2019 08:31	02/06/2019 18:30	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/06/2019 18:30	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	41.6 %	19.7-63.1
4165-62-2	Surrogate: SURR: Phenol-d5	17.9 %	10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	50.6 %	50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.1 %	39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	111 %	39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.8 %	30.7-106

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW



Sample Information

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	02/05/2019 08:31	02/07/2019 15:21	OW
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 08:31	02/07/2019 15:21	OW



Sample Information

Client Sample ID: MW-FB

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Water

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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
72-54-8	4,4'-DDD	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
309-00-2	Aldrin	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
319-84-6	alpha-BHC	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
319-85-7	beta-BHC	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
57-74-9	Chlordane, total	ND		ug/L	0.0286	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
319-86-8	delta-BHC	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
60-57-1	Dieldrin	ND		ug/L	0.00286	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
959-98-8	Endosulfan I	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
72-20-8	Endrin	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
76-44-8	Heptachlor	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
72-43-5	Methoxychlor	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
8001-35-2	Toxaphene	ND		ug/L	0.143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 07:33	02/06/2019 17:51	CM
	Surrogate Recoveries	Result			Acceptance Range					
2051-24-3	Surrogate: Decachlorobiphenyl	68.6 %			30-150					



Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 3:00 pm	<u>Date Received</u> 01/30/2019
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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
877-09-8	Surrogate: Tetrachloro-m-xylene	65.7 %			30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:14	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:14	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:14	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:14	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:14	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:14	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	02/05/2019 07:33	02/07/2019 15:14	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0714	1	EPA 8082A Certifications:	02/05/2019 07:33	02/07/2019 15:14	TJD

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	86.8 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	82.4 %	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	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML



Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 3:00 pm

01/30/2019

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
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-09-7	Potassium	0.0797		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:35	02/05/2019 11:14	BML

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		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-70-2	Calcium	0.0732		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML



Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1289

100646801

Water

January 30, 2019 3:00 pm

01/30/2019

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:11	02/06/2019 20:22	BML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:14	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:14	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:14	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:14	KML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:14	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/04/2019 12:36	02/04/2019 16:14	KML

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:17	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:17	KML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:17	KML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:17	KML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:17	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	02/05/2019 14:12	02/06/2019 13:17	KML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW-FB

York Sample ID: 19A1289-14

<u>York Project (SDG) No.</u> 19A1289	<u>Client Project ID</u> 100646801	<u>Matrix</u> Water	<u>Collection Date/Time</u> January 30, 2019 3:00 pm	<u>Date Received</u> 01/30/2019
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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	02/07/2019 09:36	02/07/2019 11:29	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	02/04/2019 10:03	02/04/2019 11:48	SY

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	01/31/2019 08:46	01/31/2019 09:19	MAC



Analytical Batch Summary

Batch ID: BA91448 **Preparation Method:** Analysis Preparation **Prepared By:** MAC

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-04	SB-FB	01/31/19
19A1289-06	LMW-5	01/31/19
19A1289-07	MW-Dup-1	01/31/19
19A1289-08	LMW-4	01/31/19
19A1289-09	LMW-2	01/31/19
19A1289-10	LMW-6	01/31/19
19A1289-14	MW-FB	01/31/19
BA91448-BLK1	Blank	01/31/19
BA91448-BS1	LCS	01/31/19
BA91448-DUP1	Duplicate	01/31/19
BA91448-MS1	Matrix Spike	01/31/19

Batch ID: BB90092 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-04	SB-FB	02/04/19
19A1289-05	SB-Trip Blank-2	02/04/19
19A1289-06	LMW-5	02/04/19
19A1289-07	MW-Dup-1	02/04/19
19A1289-08	LMW-4	02/04/19
19A1289-09	LMW-2	02/04/19
19A1289-10	LMW-6	02/04/19
19A1289-11	MW-Trip Blank-1	02/04/19
19A1289-12	MW-Trip Blank-2	02/04/19
19A1289-13	MW-Trip Blank-3	02/04/19
19A1289-14	MW-FB	02/04/19
BB90092-BLK1	Blank	02/04/19
BB90092-BS1	LCS	02/04/19
BB90092-BSD1	LCS Dup	02/04/19

Batch ID: BB90100 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-06	LMW-5	02/04/19
19A1289-07	MW-Dup-1	02/04/19
19A1289-08	LMW-4	02/04/19
19A1289-09	LMW-2	02/04/19
19A1289-10	LMW-6	02/04/19
19A1289-14	MW-FB	02/04/19
BB90100-BLK1	Blank	02/04/19
BB90100-DUP1	Duplicate	02/04/19
BB90100-MS1	Matrix Spike	02/04/19
BB90100-SRM1	Reference	02/04/19



Batch ID: BB90124

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-04	SB-FB	02/04/19
19A1289-06	LMW-5	02/04/19
19A1289-07	MW-Dup-1	02/04/19
19A1289-08	LMW-4	02/04/19
19A1289-09	LMW-2	02/04/19
19A1289-10	LMW-6	02/04/19
19A1289-14	MW-FB	02/04/19
BB90124-BLK1	Blank	02/04/19
BB90124-BS1	LCS	02/04/19

Batch ID: BB90125

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-06	LMW-5	02/04/19
19A1289-07	MW-Dup-1	02/04/19
19A1289-08	LMW-4	02/04/19
19A1289-09	LMW-2	02/04/19
19A1289-10	LMW-6	02/04/19
19A1289-14	MW-FB	02/04/19
BB90125-BLK1	Blank	02/04/19
BB90125-BS1	LCS	02/04/19

Batch ID: BB90132

Preparation Method: % Solids Prep

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-01	LSB-7A	02/04/19
19A1289-02	LSB-7B	02/04/19
19A1289-03	SB-Dup-1	02/04/19

Batch ID: BB90165

Preparation Method: EPA SW846-3510C Low Level

Prepared By: SGM

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-04	SB-FB	02/05/19
19A1289-04	SB-FB	02/05/19
19A1289-06	LMW-5	02/05/19
19A1289-06	LMW-5	02/05/19
19A1289-07	MW-Dup-1	02/05/19
19A1289-07	MW-Dup-1	02/05/19
19A1289-08	LMW-4	02/05/19
19A1289-08	LMW-4	02/05/19
19A1289-09	LMW-2	02/05/19
19A1289-09	LMW-2	02/05/19
19A1289-10	LMW-6	02/05/19
19A1289-10	LMW-6	02/05/19
19A1289-14	MW-FB	02/05/19
19A1289-14	MW-FB	02/05/19
BB90165-BLK1	Blank	02/05/19



BB90165-BLK2	Blank	02/05/19
BB90165-BS1	LCS	02/05/19
BB90165-BS2	LCS	02/05/19
BB90165-BSD1	LCS Dup	02/05/19
BB90165-BSD2	LCS Dup	02/05/19

Batch ID: BB90180 **Preparation Method:** EPA 3510C **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-04	SB-FB	02/05/19
19A1289-06	LMW-5	02/05/19
19A1289-07	MW-Dup-1	02/05/19
19A1289-08	LMW-4	02/05/19
19A1289-09	LMW-2	02/05/19
19A1289-10	LMW-6	02/05/19
19A1289-14	MW-FB	02/05/19
BB90180-BLK1	Blank	02/05/19
BB90180-BLK2	Blank	02/05/19
BB90180-BS1	LCS	02/05/19
BB90180-BS2	LCS	02/05/19
BB90180-BSD1	LCS Dup	02/05/19

Batch ID: BB90219 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-01	LSB-7A	02/05/19
19A1289-02	LSB-7B	02/05/19
19A1289-03	SB-Dup-1	02/05/19
BB90219-BLK1	Blank	02/05/19
BB90219-SRM1	Reference	02/05/19

Batch ID: BB90221 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-06	LMW-5	02/05/19
19A1289-07	MW-Dup-1	02/05/19
19A1289-08	LMW-4	02/05/19
19A1289-09	LMW-2	02/05/19
19A1289-10	LMW-6	02/05/19
19A1289-14	MW-FB	02/05/19
BB90221-BLK1	Blank	02/05/19
BB90221-BS1	LCS	02/05/19
BB90221-DUP1	Duplicate	02/05/19
BB90221-MS1	Matrix Spike	02/05/19

Batch ID: BB90222 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-06	LMW-5	02/05/19



19A1289-07	MW-Dup-1	02/05/19
19A1289-08	LMW-4	02/05/19
19A1289-09	LMW-2	02/05/19
19A1289-10	LMW-6	02/05/19
19A1289-14	MW-FB	02/05/19
BB90222-BLK1	Blank	02/05/19
BB90222-BS1	LCS	02/05/19
BB90222-DUP1	Duplicate	02/05/19
BB90222-MS1	Matrix Spike	02/05/19

Batch ID: BB90259 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-01	LSB-7A	02/06/19
19A1289-01RE1	LSB-7A	02/06/19
19A1289-02	LSB-7B	02/06/19
19A1289-03	SB-Dup-1	02/06/19
BB90259-BLK1	Blank	02/06/19
BB90259-BS1	LCS	02/06/19

Batch ID: BB90268 **Preparation Method:** EPA 5035A **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-01	LSB-7A	02/06/19
19A1289-02	LSB-7B	02/06/19
19A1289-03	SB-Dup-1	02/06/19
BB90268-BLK1	Blank	02/06/19
BB90268-BS1	LCS	02/06/19
BB90268-BSD1	LCS Dup	02/06/19

Batch ID: BB90273 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAC

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-01	LSB-7A	02/06/19
19A1289-02	LSB-7B	02/06/19
19A1289-03	SB-Dup-1	02/06/19
BB90273-BLK1	Blank	02/06/19
BB90273-SRM1	Reference	02/06/19

Batch ID: BB90316 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-01	LSB-7A	02/06/19
19A1289-01	LSB-7A	02/06/19
19A1289-02	LSB-7B	02/06/19
19A1289-02	LSB-7B	02/06/19
19A1289-03	SB-Dup-1	02/06/19
19A1289-03	SB-Dup-1	02/06/19
BB90316-BLK1	Blank	02/06/19



BB90316-BLK2	Blank	02/06/19
BB90316-BS1	LCS	02/06/19
BB90316-BS2	LCS	02/06/19

Batch ID: BB90349 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-04	SB-FB	02/07/19
19A1289-06	LMW-5	02/07/19
19A1289-07	MW-Dup-1	02/07/19
19A1289-08	LMW-4	02/07/19
19A1289-09	LMW-2	02/07/19
19A1289-10	LMW-6	02/07/19
19A1289-14	MW-FB	02/07/19
BB90349-BLK1	Blank	02/07/19
BB90349-SRM1	Reference	02/07/19

Batch ID: BB90368 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19A1289-01	LSB-7A	02/07/19
19A1289-02	LSB-7B	02/07/19
19A1289-03	SB-Dup-1	02/07/19
BB90368-BLK1	Blank	02/07/19
BB90368-SRM1	Reference	02/07/19



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 BB90092 - EPA 5030B

Blank (BB90092-BLK1)

Prepared & Analyzed: 02/04/2019

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	2.00	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90092 - EPA 5030B

Blank (BB90092-BLK1)

Prepared & Analyzed: 02/04/2019

Ethyl Benzene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.50	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130				
Surrogate: SURRE: Toluene-d8	9.71		"	10.0		97.1	70-130				
Surrogate: SURRE: p-Bromofluorobenzene	10.7		"	10.0		107	70-130				

LCS (BB90092-BS1)

Prepared & Analyzed: 02/04/2019

1,1,1,2-Tetrachloroethane	9.20		ug/L	10.0		92.0	82-126			30	
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130			20	
1,1,2,2-Tetrachloroethane	8.30		"	10.0		83.0	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	70-130			20	
1,1,2-Trichloroethane	8.02		"	10.0		80.2	70-130			20	
1,1-Dichloroethane	9.56		"	10.0		95.6	70-130			20	
1,1-Dichloroethylene	9.22		"	10.0		92.2	70-130			20	
1,1-Dichloropropylene	9.97		"	10.0		99.7	83-133			30	
1,2,3-Trichlorobenzene	8.75		"	10.0		87.5	70-130			20	
1,2,3-Trichloropropane	8.28		"	10.0		82.8	77-128			30	
1,2,4,5-Tetramethylbenzene	9.76		"	10.0		97.6	85-140			30	
1,2,4-Trichlorobenzene	8.34		"	10.0		83.4	70-130			20	
1,2,4-Trimethylbenzene	8.86		"	10.0		88.6	82-132			20	
1,2-Dibromo-3-chloropropane	9.32		"	10.0		93.2	40-160			20	
1,2-Dibromoethane	8.25		"	10.0		82.5	70-130			20	
1,2-Dichlorobenzene	8.53		"	10.0		85.3	70-130			20	
1,2-Dichloroethane	9.29		"	10.0		92.9	70-130			20	
1,2-Dichloropropane	8.07		"	10.0		80.7	70-130			20	
1,3,5-Trimethylbenzene	8.99		"	10.0		89.9	80-131			30	
1,3-Dichlorobenzene	8.56		"	10.0		85.6	70-130			20	
1,3-Dichloropropane	8.14		"	10.0		81.4	81-125			30	
1,4-Dichlorobenzene	8.68		"	10.0		86.8	70-130			20	
1,4-Dioxane	163		"	210		77.7	40-160			20	



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 BB90092 - EPA 5030B

LCS (BB90092-BS1)

Prepared & Analyzed: 02/04/2019

2,2-Dichloropropane	10.7		ug/L	10.0		107	56-150			30	
2-Butanone	8.81		"	10.0		88.1	40-160			20	
2-Chlorotoluene	9.03		"	10.0		90.3	79-130			30	
2-Hexanone	7.66		"	10.0		76.6	40-160			20	
4-Chlorotoluene	8.68		"	10.0		86.8	79-128			30	
4-Methyl-2-pentanone	7.51		"	10.0		75.1	40-160			20	
Acetone	7.71		"	10.0		77.1	40-160			20	
Acrolein	8.14		"	10.0		81.4	10-153			30	
Acrylonitrile	8.63		"	10.0		86.3	51-150			30	
Benzene	9.88		"	10.0		98.8	70-130			20	
Bromobenzene	8.46		"	10.0		84.6	78-129			30	
Bromochloromethane	9.28		"	10.0		92.8	70-130			20	
Bromodichloromethane	8.49		"	10.0		84.9	70-130			20	
Bromoform	8.43		"	10.0		84.3	70-130			20	
Bromomethane	10.6		"	10.0		106	40-160			20	
Carbon disulfide	9.76		"	10.0		97.6	40-160			20	
Carbon tetrachloride	10.8		"	10.0		108	70-130			20	
Chlorobenzene	8.85		"	10.0		88.5	70-130			20	
Chloroethane	11.1		"	10.0		111	40-160			20	
Chloroform	9.72		"	10.0		97.2	70-130			20	
Chloromethane	10.1		"	10.0		101	40-160			20	
cis-1,2-Dichloroethylene	9.61		"	10.0		96.1	70-130			20	
cis-1,3-Dichloropropylene	8.35		"	10.0		83.5	70-130			20	
Cyclohexane	10.7		"	10.0		107	70-130			20	
Dibromochloromethane	8.71		"	10.0		87.1	70-130			20	
Dibromomethane	8.27		"	10.0		82.7	72-134			30	
Dichlorodifluoromethane	9.28		"	10.0		92.8	40-160			20	
Ethyl Benzene	9.22		"	10.0		92.2	70-130			20	
Isopropylbenzene	8.59		"	10.0		85.9	70-130			20	
Methyl acetate	8.64		"	10.0		86.4	70-130			20	
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	70-130			20	
Methylcyclohexane	9.44		"	10.0		94.4	70-130			20	
Methylene chloride	9.30		"	10.0		93.0	70-130			20	
n-Butylbenzene	9.63		"	10.0		96.3	79-132			30	
n-Propylbenzene	9.08		"	10.0		90.8	78-133			30	
o-Xylene	9.09		"	10.0		90.9	70-130			20	
p- & m- Xylenes	18.8		"	20.0		94.0	70-130			20	
p-Isopropyltoluene	9.43		"	10.0		94.3	81-136			30	
sec-Butylbenzene	9.76		"	10.0		97.6	79-137			30	
Styrene	8.91		"	10.0		89.1	70-130			20	
tert-Butyl alcohol (TBA)	39.7		"	50.0		79.4	25-162			30	
tert-Butylbenzene	9.17		"	10.0		91.7	77-138			30	
Tetrachloroethylene	6.61		"	10.0		66.1	70-130	Low Bias		20	
Toluene	8.99		"	10.0		89.9	70-130			20	
trans-1,2-Dichloroethylene	9.56		"	10.0		95.6	70-130			20	
trans-1,3-Dichloropropylene	8.28		"	10.0		82.8	70-130			20	
Trichloroethylene	8.76		"	10.0		87.6	70-130			20	
Trichlorofluoromethane	12.2		"	10.0		122	40-160			20	
Vinyl Chloride	10.1		"	10.0		101	70-130			20	
Surrogate: Surr: 1,2-Dichloroethane-d4	9.74		"	10.0		97.4	70-130				
Surrogate: Surr: Toluene-d8	9.43		"	10.0		94.3	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB90092 - EPA 5030B											
LCS (BB90092-BS1)										Prepared & Analyzed: 02/04/2019	
Surrogate: SURR: p-Bromofluorobenzene	10.0		ug/L	10.0		100	70-130				
LCS Dup (BB90092-BSD1)										Prepared & Analyzed: 02/04/2019	
1,1,1,2-Tetrachloroethane	8.92		ug/L	10.0		89.2	82-126		3.09	30	
1,1,1-Trichloroethane	8.84		"	10.0		88.4	70-130		15.4	20	
1,1,2,2-Tetrachloroethane	9.61		"	10.0		96.1	70-130		14.6	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.24		"	10.0		92.4	70-130		14.3	20	
1,1,2-Trichloroethane	8.93		"	10.0		89.3	70-130		10.7	20	
1,1-Dichloroethane	9.16		"	10.0		91.6	70-130		4.27	20	
1,1-Dichloroethylene	8.88		"	10.0		88.8	70-130		3.76	20	
1,1-Dichloropropylene	9.04		"	10.0		90.4	83-133		9.78	30	
1,2,3-Trichlorobenzene	7.89		"	10.0		78.9	70-130		10.3	20	
1,2,3-Trichloropropane	9.04		"	10.0		90.4	77-128		8.78	30	
1,2,4,5-Tetramethylbenzene	8.75		"	10.0		87.5	85-140		10.9	30	
1,2,4-Trichlorobenzene	7.60		"	10.0		76.0	70-130		9.28	20	
1,2,4-Trimethylbenzene	8.53		"	10.0		85.3	82-132		3.80	20	
1,2-Dibromo-3-chloropropane	8.13		"	10.0		81.3	40-160		13.6	20	
1,2-Dibromoethane	8.87		"	10.0		88.7	70-130		7.24	20	
1,2-Dichlorobenzene	8.10		"	10.0		81.0	70-130		5.17	20	
1,2-Dichloroethane	9.43		"	10.0		94.3	70-130		1.50	20	
1,2-Dichloropropane	9.15		"	10.0		91.5	70-130		12.5	20	
1,3,5-Trimethylbenzene	8.62		"	10.0		86.2	80-131		4.20	30	
1,3-Dichlorobenzene	8.02		"	10.0		80.2	70-130		6.51	20	
1,3-Dichloropropane	9.33		"	10.0		93.3	81-125		13.6	30	
1,4-Dichlorobenzene	8.04		"	10.0		80.4	70-130		7.66	20	
1,4-Dioxane	207		"	210		98.4	40-160		23.5	20	Non-dir.
2,2-Dichloropropane	9.41		"	10.0		94.1	56-150		12.5	30	
2-Butanone	10.0		"	10.0		100	40-160		12.7	20	
2-Chlorotoluene	8.89		"	10.0		88.9	79-130		1.56	30	
2-Hexanone	10.4		"	10.0		104	40-160		30.8	20	Non-dir.
4-Chlorotoluene	8.45		"	10.0		84.5	79-128		2.69	30	
4-Methyl-2-pentanone	10.0		"	10.0		100	40-160		28.7	20	Non-dir.
Acetone	9.58		"	10.0		95.8	40-160		21.6	20	Non-dir.
Acrolein	9.06		"	10.0		90.6	10-153		10.7	30	
Acrylonitrile	9.77		"	10.0		97.7	51-150		12.4	30	
Benzene	9.03		"	10.0		90.3	70-130		8.99	20	
Bromobenzene	8.91		"	10.0		89.1	78-129		5.18	30	
Bromochloromethane	9.50		"	10.0		95.0	70-130		2.34	20	
Bromodichloromethane	9.14		"	10.0		91.4	70-130		7.37	20	
Bromoform	8.48		"	10.0		84.8	70-130		0.591	20	
Bromomethane	8.17		"	10.0		81.7	40-160		25.6	20	Non-dir.
Carbon disulfide	9.23		"	10.0		92.3	40-160		5.58	20	
Carbon tetrachloride	9.16		"	10.0		91.6	70-130		16.6	20	
Chlorobenzene	8.52		"	10.0		85.2	70-130		3.80	20	
Chloroethane	8.59		"	10.0		85.9	40-160		25.8	20	Non-dir.
Chloroform	9.01		"	10.0		90.1	70-130		7.58	20	
Chloromethane	7.66		"	10.0		76.6	40-160		27.8	20	Non-dir.
cis-1,2-Dichloroethylene	9.22		"	10.0		92.2	70-130		4.14	20	
cis-1,3-Dichloropropylene	9.22		"	10.0		92.2	70-130		9.90	20	
Cyclohexane	9.99		"	10.0		99.9	70-130		6.58	20	
Dibromochloromethane	8.95		"	10.0		89.5	70-130		2.72	20	



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 BB90092 - EPA 5030B										
LCS Dup (BB90092-BSD1)										
Prepared & Analyzed: 02/04/2019										
Dibromomethane	9.04		ug/L	10.0		90.4	72-134		8.90	30
Dichlorodifluoromethane	7.20		"	10.0		72.0	40-160		25.2	20 Non-dir.
Ethyl Benzene	9.11		"	10.0		91.1	70-130		1.20	20
Isopropylbenzene	8.54		"	10.0		85.4	70-130		0.584	20
Methyl acetate	10.2		"	10.0		102	70-130		16.1	20
Methyl tert-butyl ether (MTBE)	9.23		"	10.0		92.3	70-130		4.66	20
Methylcyclohexane	9.76		"	10.0		97.6	70-130		3.33	20
Methylene chloride	9.49		"	10.0		94.9	70-130		2.02	20
n-Butylbenzene	9.55		"	10.0		95.5	79-132		0.834	30
n-Propylbenzene	8.95		"	10.0		89.5	78-133		1.44	30
o-Xylene	8.99		"	10.0		89.9	70-130		1.11	20
p- & m- Xylenes	18.3		"	20.0		91.6	70-130		2.64	20
p-Isopropyltoluene	8.88		"	10.0		88.8	81-136		6.01	30
sec-Butylbenzene	9.31		"	10.0		93.1	79-137		4.72	30
Styrene	8.66		"	10.0		86.6	70-130		2.85	20
tert-Butyl alcohol (TBA)	51.5		"	50.0		103	25-162		26.0	30
tert-Butylbenzene	8.59		"	10.0		85.9	77-138		6.53	30
Tetrachloroethylene	5.68		"	10.0		56.8	70-130	Low Bias	15.1	20
Toluene	8.93		"	10.0		89.3	70-130		0.670	20
trans-1,2-Dichloroethylene	8.86		"	10.0		88.6	70-130		7.60	20
trans-1,3-Dichloropropylene	9.28		"	10.0		92.8	70-130		11.4	20
Trichloroethylene	8.68		"	10.0		86.8	70-130		0.917	20
Trichlorofluoromethane	9.03		"	10.0		90.3	40-160		29.5	20 Non-dir.
Vinyl Chloride	7.52		"	10.0		75.2	70-130		29.1	20 Non-dir.
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130			
Surrogate: SURRE: Toluene-d8	9.86		"	10.0		98.6	70-130			
Surrogate: SURRE: p-Bromofluorobenzene	10.6		"	10.0		106	70-130			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90268 - EPA 5035A

Blank (BB90268-BLK1)

Prepared & Analyzed: 02/06/2019

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	"								
1,2,4,5-Tetramethylbenzene	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	"								
Diisopropyl ether (DIPE)	ND	0.0080	"								



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 BB90268 - EPA 5035A

Blank (BB90268-BLK1)

Prepared & Analyzed: 02/06/2019

Ethyl Benzene	ND	0.0050	mg/kg wet										
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	0.025	"										
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	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	49.3		ug/L	50.0		98.6		77-125					
<i>Surrogate: SURR: Toluene-d8</i>	49.2		"	50.0		98.5		85-120					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	47.2		"	50.0		94.3		76-130					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB90268 - EPA 5035A											
LCS (BB90268-BS1)											
Prepared & Analyzed: 02/06/2019											
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.7	75-129			30	
1,1,1-Trichloroethane	45.4		"	50.0		90.8	70-130			30	
1,1,2,2-Tetrachloroethane	46.8		"	50.0		93.7	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.6		"	50.0		99.2	70-130			30	
1,1,2-Trichloroethane	46.3		"	50.0		92.7	70-130			30	
1,1-Dichloroethane	48.7		"	50.0		97.4	70-130			30	
1,1-Dichloroethylene	45.9		"	50.0		91.8	70-130			30	
1,1-Dichloropropylene	46.8		"	50.0		93.6	77-127			30	
1,2,3-Trichlorobenzene	50.2		"	50.0		100	70-130			30	
1,2,3-Trichloropropane	46.8		"	50.0		93.6	81-126			30	
1,2,4,5-Tetramethylbenzene	47.0		"	50.0		94.0	63-156			30	
1,2,4-Trichlorobenzene	49.1		"	50.0		98.3	70-130			30	
1,2,4-Trimethylbenzene	44.9		"	50.0		89.7	84-125			30	
1,2-Dibromo-3-chloropropane	42.0		"	50.0		83.9	40-160			30	
1,2-Dibromoethane	48.2		"	50.0		96.5	70-130			30	
1,2-Dichlorobenzene	49.3		"	50.0		98.7	70-130			30	
1,2-Dichloroethane	49.7		"	50.0		99.3	70-130			30	
1,2-Dichloropropane	46.9		"	50.0		93.9	70-130			30	
1,3,5-Trimethylbenzene	44.8		"	50.0		89.7	82-126			30	
1,3-Dichlorobenzene	47.4		"	50.0		94.8	70-130			30	
1,3-Dichloropropane	47.6		"	50.0		95.2	83-123			30	
1,4-Dichlorobenzene	47.4		"	50.0		94.9	70-130			30	
1,4-Dioxane	1340		"	1050		128	40-160			30	
2,2-Dichloropropane	45.0		"	50.0		90.1	67-136			30	
2-Butanone	52.7		"	50.0		105	40-160			30	
2-Chlorotoluene	44.0		"	50.0		88.1	78-127			30	
2-Hexanone	50.8		"	50.0		102	40-160			30	
4-Chlorotoluene	44.3		"	50.0		88.6	79-125			30	
4-Methyl-2-pentanone	50.4		"	50.0		101	40-160			30	
Acetone	48.1		"	50.0		96.2	40-160			30	
Acrolein	38.2		"	50.0		76.4	10-238			30	
Acrylonitrile	54.2		"	50.0		108	66-141			30	
Benzene	49.3		"	50.0		98.5	70-130			30	
Bromobenzene	44.8		"	50.0		89.6	77-129			30	
Bromochloromethane	50.0		"	50.0		99.9	70-130			30	
Bromodichloromethane	45.1		"	50.0		90.2	70-130			30	
Bromoform	45.6		"	50.0		91.3	70-130			30	
Bromomethane	59.6		"	50.0		119	40-160			30	
Carbon disulfide	45.4		"	50.0		90.7	40-160			30	
Carbon tetrachloride	45.4		"	50.0		90.7	70-130			30	
Chlorobenzene	47.7		"	50.0		95.4	70-130			30	
Chloroethane	55.7		"	50.0		111	51-142			30	
Chloroform	48.5		"	50.0		96.9	70-130			30	
Chloromethane	51.4		"	50.0		103	49-132			30	
cis-1,2-Dichloroethylene	48.0		"	50.0		96.0	70-130			30	
cis-1,3-Dichloropropylene	44.2		"	50.0		88.4	70-130			30	
Cyclohexane	54.9		"	50.0		110	70-130			30	
Dibromochloromethane	45.1		"	50.0		90.2	70-130			30	
Dibromomethane	45.7		"	50.0		91.4	83-124			30	
Dichlorodifluoromethane	44.7		"	50.0		89.4	40-160			30	
Diisopropyl ether (DIPE)	52.2		"	50.0		104	70-130			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 BB90268 - EPA 5035A

LCS (BB90268-BS1)

Prepared & Analyzed: 02/06/2019

Ethyl Benzene	46.4		ug/L	50.0		92.8	70-130			30	
Hexachlorobutadiene	50.3		"	50.0		101	83-133			30	
Isopropylbenzene	44.5		"	50.0		89.0	70-130			30	
Methyl acetate	50.8		"	50.0		102	70-130			30	
Methyl tert-butyl ether (MTBE)	48.7		"	50.0		97.5	70-130			30	
Methylcyclohexane	45.9		"	50.0		91.7	70-130			30	
Methylene chloride	48.6		"	50.0		97.2	70-130			30	
n-Butylbenzene	45.6		"	50.0		91.2	80-130			30	
n-Propylbenzene	44.2		"	50.0		88.3	74-136			30	
o-Xylene	46.1		"	50.0		92.1	70-130			30	
p- & m- Xylenes	92.7		"	100		92.7	70-130			30	
p-Isopropyltoluene	46.1		"	50.0		92.2	85-125			30	
sec-Butylbenzene	47.4		"	50.0		94.9	83-125			30	
Styrene	47.6		"	50.0		95.2	70-130			30	
tert-Butyl alcohol (TBA)	259		"	250		103	70-130			30	
tert-Butylbenzene	40.6		"	50.0		81.3	80-127			30	
Tetrachloroethylene	44.2		"	50.0		88.4	70-130			30	
Toluene	46.6		"	50.0		93.3	70-130			30	
trans-1,2-Dichloroethylene	47.0		"	50.0		94.1	70-130			30	
trans-1,3-Dichloropropylene	43.8		"	50.0		87.6	70-130			30	
Trichloroethylene	45.9		"	50.0		91.8	70-130			30	
Trichlorofluoromethane	47.4		"	50.0		94.9	40-160			30	
Vinyl Chloride	52.7		"	50.0		105	70-130			30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	50.5		"	50.0		101	77-125				
Surrogate: SURRE: Toluene-d8	48.4		"	50.0		96.9	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	45.5		"	50.0		91.0	76-130				

LCS Dup (BB90268-BSD1)

Prepared & Analyzed: 02/06/2019

1,1,1,2-Tetrachloroethane	48.7		ug/L	50.0		97.5	75-129		0.742	30	
1,1,1-Trichloroethane	45.4		"	50.0		90.8	70-130		0.0441	30	
1,1,2,2-Tetrachloroethane	45.1		"	50.0		90.2	70-130		3.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0		100	70-130		0.863	30	
1,1,2-Trichloroethane	45.0		"	50.0		89.9	70-130		2.98	30	
1,1-Dichloroethane	47.7		"	50.0		95.3	70-130		2.18	30	
1,1-Dichloroethylene	45.6		"	50.0		91.3	70-130		0.612	30	
1,1-Dichloropropylene	47.2		"	50.0		94.4	77-127		0.830	30	
1,2,3-Trichlorobenzene	50.6		"	50.0		101	70-130		0.735	30	
1,2,3-Trichloropropane	44.2		"	50.0		88.4	81-126		5.74	30	
1,2,4,5-Tetramethylbenzene	47.9		"	50.0		95.7	63-156		1.79	30	
1,2,4-Trichlorobenzene	49.0		"	50.0		98.1	70-130		0.163	30	
1,2,4-Trimethylbenzene	46.3		"	50.0		92.5	84-125		3.07	30	
1,2-Dibromo-3-chloropropane	39.4		"	50.0		78.8	40-160		6.27	30	
1,2-Dibromoethane	46.8		"	50.0		93.7	70-130		2.94	30	
1,2-Dichlorobenzene	49.4		"	50.0		98.9	70-130		0.203	30	
1,2-Dichloroethane	47.0		"	50.0		94.0	70-130		5.48	30	
1,2-Dichloropropane	46.3		"	50.0		92.6	70-130		1.42	30	
1,3,5-Trimethylbenzene	46.6		"	50.0		93.3	82-126		3.96	30	
1,3-Dichlorobenzene	48.3		"	50.0		96.6	70-130		1.92	30	
1,3-Dichloropropane	47.0		"	50.0		94.0	83-123		1.21	30	
1,4-Dichlorobenzene	48.0		"	50.0		95.9	70-130		1.09	30	
1,4-Dioxane	1140		"	1050		108	40-160		16.9	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 BB90268 - EPA 5035A										
LCS Dup (BB90268-BSD1)										
Prepared & Analyzed: 02/06/2019										
2,2-Dichloropropane	45.4		ug/L	50.0	90.7	67-136			0.708	30
2-Butanone	48.3		"	50.0	96.6	40-160			8.67	30
2-Chlorotoluene	45.8		"	50.0	91.5	78-127			3.79	30
2-Hexanone	44.5		"	50.0	89.0	40-160			13.3	30
4-Chlorotoluene	45.5		"	50.0	91.0	79-125			2.65	30
4-Methyl-2-pentanone	46.1		"	50.0	92.1	40-160			8.94	30
Acetone	41.8		"	50.0	83.6	40-160			14.0	30
Acrolein	35.0		"	50.0	70.0	10-238			8.66	30
Acrylonitrile	48.7		"	50.0	97.3	66-141			10.7	30
Benzene	48.8		"	50.0	97.5	70-130			1.02	30
Bromobenzene	44.3		"	50.0	88.6	77-129			1.08	30
Bromochloromethane	48.3		"	50.0	96.6	70-130			3.40	30
Bromodichloromethane	45.0		"	50.0	89.9	70-130			0.355	30
Bromoform	43.7		"	50.0	87.3	70-130			4.46	30
Bromomethane	57.4		"	50.0	115	40-160			3.86	30
Carbon disulfide	45.4		"	50.0	90.9	40-160			0.176	30
Carbon tetrachloride	45.8		"	50.0	91.6	70-130			0.965	30
Chlorobenzene	48.5		"	50.0	97.0	70-130			1.73	30
Chloroethane	55.5		"	50.0	111	51-142			0.378	30
Chloroform	47.0		"	50.0	93.9	70-130			3.14	30
Chloromethane	49.5		"	50.0	99.0	49-132			3.77	30
cis-1,2-Dichloroethylene	47.4		"	50.0	94.7	70-130			1.41	30
cis-1,3-Dichloropropylene	44.0		"	50.0	88.0	70-130			0.453	30
Cyclohexane	55.2		"	50.0	110	70-130			0.454	30
Dibromochloromethane	44.0		"	50.0	88.0	70-130			2.54	30
Dibromomethane	44.6		"	50.0	89.1	83-124			2.50	30
Dichlorodifluoromethane	45.4		"	50.0	90.8	40-160			1.58	30
Diisopropyl ether (DIPE)	50.6		"	50.0	101	70-130			3.07	30
Ethyl Benzene	47.8		"	50.0	95.7	70-130			3.06	30
Hexachlorobutadiene	52.3		"	50.0	105	83-133			3.88	30
Isopropylbenzene	46.6		"	50.0	93.2	70-130			4.54	30
Methyl acetate	45.8		"	50.0	91.5	70-130			10.5	30
Methyl tert-butyl ether (MTBE)	45.5		"	50.0	91.0	70-130			6.83	30
Methylcyclohexane	48.5		"	50.0	97.0	70-130			5.62	30
Methylene chloride	48.1		"	50.0	96.2	70-130			0.972	30
n-Butylbenzene	49.9		"	50.0	99.9	80-130			9.04	30
n-Propylbenzene	45.9		"	50.0	91.7	74-136			3.78	30
o-Xylene	47.2		"	50.0	94.4	70-130			2.42	30
p- & m- Xylenes	94.3		"	100	94.3	70-130			1.75	30
p-Isopropyltoluene	48.2		"	50.0	96.5	85-125			4.52	30
sec-Butylbenzene	49.2		"	50.0	98.4	83-125			3.64	30
Styrene	47.8		"	50.0	95.6	70-130			0.419	30
tert-Butyl alcohol (TBA)	204		"	250	81.5	70-130			23.7	30
tert-Butylbenzene	42.6		"	50.0	85.2	80-127			4.64	30
Tetrachloroethylene	45.6		"	50.0	91.1	70-130			3.03	30
Toluene	47.8		"	50.0	95.5	70-130			2.37	30
trans-1,2-Dichloroethylene	47.1		"	50.0	94.1	70-130			0.0425	30
trans-1,3-Dichloropropylene	43.2		"	50.0	86.5	70-130			1.29	30
Trichloroethylene	47.6		"	50.0	95.1	70-130			3.57	30
Trichlorofluoromethane	47.3		"	50.0	94.6	40-160			0.338	30
Vinyl Chloride	52.2		"	50.0	104	70-130			0.896	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 BB90268 - EPA 5035A

LCS Dup (BB90268-BSD1)

Prepared & Analyzed: 02/06/2019

Surrogate: SURR: 1,2-Dichloroethane-d4	48.0		ug/L	50.0		96.0	77-125				
Surrogate: SURR: Toluene-d8	49.3		"	50.0		98.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.0		"	50.0		94.0	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 BB90180 - EPA 3510C

Blank (BB90180-BLK1)

Prepared & Analyzed: 02/05/2019

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	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
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	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
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	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



Semivolatile 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 BB90180 - EPA 3510C

Blank (BB90180-BLK1)

Prepared & Analyzed: 02/05/2019

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>16.3</i>		<i>"</i>	<i>50.0</i>		<i>32.6</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>9.21</i>		<i>"</i>	<i>50.0</i>		<i>18.4</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>13.9</i>		<i>"</i>	<i>25.0</i>		<i>55.5</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>17.0</i>		<i>"</i>	<i>25.0</i>		<i>68.1</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>46.3</i>		<i>"</i>	<i>50.0</i>		<i>92.7</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>15.9</i>		<i>"</i>	<i>25.0</i>		<i>63.4</i>	<i>30.7-106</i>				

Blank (BB90180-BLK2)

Prepared: 02/05/2019 Analyzed: 02/07/2019

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	"								



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			Result					%REC	RPD
Batch BB90180 - EPA 3510C											
LCS (BB90180-BS1)											
Prepared & Analyzed: 02/05/2019											
1,1-Biphenyl	19.3	5.00	ug/L	25.0		77.2		33-95			
1,2,4,5-Tetrachlorobenzene	20.7	5.00	"	25.0		82.7		26-120			
1,2,4-Trichlorobenzene	20.2	5.00	"	25.0		80.9		20-118			
1,2-Dichlorobenzene	18.6	5.00	"	25.0		74.4		29-111			
1,2-Diphenylhydrazine (as Azobenzene)	14.6	5.00	"	25.0		58.4		16-141			
1,3-Dichlorobenzene	17.5	5.00	"	25.0		69.8		23-117			
1,4-Dichlorobenzene	18.3	5.00	"	25.0		73.1		30-105			
2,3,4,6-Tetrachlorophenol	42.8	5.00	"	25.0		171		30-130	High Bias		
2,4,5-Trichlorophenol	20.1	5.00	"	25.0		80.4		32-114			
2,4,6-Trichlorophenol	23.1	5.00	"	25.0		92.5		35-118			
2,4-Dichlorophenol	21.9	5.00	"	25.0		87.6		25-116			
2,4-Dimethylphenol	20.5	5.00	"	25.0		82.0		15-116			
2,4-Dinitrophenol	34.9	5.00	"	25.0		140		10-170			
2,4-Dinitrotoluene	25.2	5.00	"	25.0		101		41-128			
2,6-Dinitrotoluene	26.1	5.00	"	25.0		104		45-116			
2-Chloronaphthalene	21.0	5.00	"	25.0		83.9		33-112			
2-Chlorophenol	18.6	5.00	"	25.0		74.6		15-120			
2-Methylnaphthalene	20.5	5.00	"	25.0		82.1		24-118			
2-Methylphenol	14.5	5.00	"	25.0		57.9		10-110			
2-Nitroaniline	22.4	5.00	"	25.0		89.8		34-129			
2-Nitrophenol	24.3	5.00	"	25.0		97.3		28-118			
3- & 4-Methylphenols	11.3	5.00	"	25.0		45.2		10-107			
3,3-Dichlorobenzidine	19.0	5.00	"	25.0		76.1		15-187			
3-Nitroaniline	17.5	5.00	"	25.0		69.8		24-134			
4,6-Dinitro-2-methylphenol	27.8	5.00	"	25.0		111		10-153			
4-Bromophenyl phenyl ether	19.8	5.00	"	25.0		79.3		34-120			
4-Chloro-3-methylphenol	17.8	5.00	"	25.0		71.2		20-120			
4-Chloroaniline	13.3	5.00	"	25.0		53.3		10-147			
4-Chlorophenyl phenyl ether	21.1	5.00	"	25.0		84.4		27-121			
4-Nitroaniline	17.7	5.00	"	25.0		70.8		13-134			
4-Nitrophenol	8.15	5.00	"	25.0		32.6		10-131			
Acetophenone	18.9	5.00	"	25.0		75.8		25-110			
Aniline	8.45	5.00	"	25.0		33.8		10-117			
Benzaldehyde	17.2	5.00	"	25.0		68.8		29-117			
Benzoic acid	ND	50.0	"	26.9				30-130	Low Bias		
Benzyl alcohol	13.0	5.00	"	25.0		51.8		10-117			
Benzyl butyl phthalate	22.1	5.00	"	25.0		88.4		29-133			
Bis(2-chloroethoxy)methane	19.2	5.00	"	25.0		76.7		10-154			
Bis(2-chloroethyl)ether	19.8	5.00	"	25.0		79.2		17-125			
Bis(2-chloroisopropyl)ether	22.7	5.00	"	25.0		90.8		10-139			
Caprolactam	2.93	5.00	"	25.0		11.7		10-137			
Carbazole	21.0	5.00	"	25.0		83.9		42-126			
Dibenzofuran	19.9	5.00	"	25.0		79.4		36-113			
Diethyl phthalate	20.0	5.00	"	25.0		80.1		38-115			
Dimethyl phthalate	20.9	5.00	"	25.0		83.4		38-129			
Di-n-butyl phthalate	21.1	5.00	"	25.0		84.4		31-120			
Di-n-octyl phthalate	25.5	5.00	"	25.0		102		21-149			
Hexachlorocyclopentadiene	16.4	10.0	"	25.0		65.7		10-130			
Isophorone	18.2	5.00	"	25.0		72.6		25-127			
N-nitroso-di-n-propylamine	16.1	5.00	"	25.0		64.3		26-122			
N-Nitrosodiphenylamine	26.0	5.00	"	25.0		104		23-149			



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 BB90180 - EPA 3510C

LCS (BB90180-BS1)

Prepared & Analyzed: 02/05/2019

Phenol	6.80	5.00	ug/L	25.0		27.2	10-110				
Pyridine	20.0	5.00	"	35.0		57.1	10-90				
Surrogate: SURR: 2-Fluorophenol	21.7		"	50.0		43.4	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.8		"	50.0		23.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.5		"	25.0		69.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	21.7		"	25.0		86.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	47.8		"	50.0		95.5	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.3		"	25.0		69.4	30.7-106				

LCS (BB90180-BS2)

Prepared: 02/05/2019 Analyzed: 02/07/2019

Acenaphthene	0.680	0.0500	ug/L	1.00		68.0	25-116				
Acenaphthylene	0.670	0.0500	"	1.00		67.0	26-116				
Anthracene	0.780	0.0500	"	1.00		78.0	25-123				
Benzo(a)anthracene	0.900	0.0500	"	1.00		90.0	33-125				
Benzo(a)pyrene	0.960	0.0500	"	1.00		96.0	32-132				
Benzo(b)fluoranthene	1.09	0.0500	"	1.00		109	22-137				
Benzo(g,h,i)perylene	0.470	0.0500	"	1.00		47.0	10-138				
Benzo(k)fluoranthene	1.05	0.0500	"	1.00		105	20-137				
Bis(2-ethylhexyl)phthalate	1.20	0.500	"	1.00		120	10-189				
Chrysene	0.900	0.0500	"	1.00		90.0	32-124				
Dibenzo(a,h)anthracene	0.570	0.0500	"	1.00		57.0	16-133				
Fluoranthene	1.26	0.0500	"	1.00		126	32-121	High Bias			
Fluorene	0.770	0.0500	"	1.00		77.0	28-118				
Hexachlorobenzene	0.590	0.0200	"	1.00		59.0	23-124				
Hexachlorobutadiene	0.580	0.500	"	1.00		58.0	15-123				
Hexachloroethane	0.560	0.500	"	1.00		56.0	18-115				
Indeno(1,2,3-cd)pyrene	0.550	0.0500	"	1.00		55.0	15-135				
Naphthalene	0.710	0.0500	"	1.00		71.0	18-120				
Nitrobenzene	0.530	0.250	"	1.00		53.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.750	0.250	"	1.00		75.0	10-156				
Phenanthrene	0.800	0.0500	"	1.00		80.0	24-127				
Pyrene	0.940	0.0500	"	1.00		94.0	31-132				



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 BB90180 - EPA 3510C											
LCS Dup (BB90180-BSD1)											
										Prepared & Analyzed: 02/05/2019	
1,1-Biphenyl	17.3	5.00	ug/L	25.0		69.0	33-95		11.2	20	
1,2,4,5-Tetrachlorobenzene	17.5	5.00	"	25.0		70.2	26-120		16.4	20	
1,2,4-Trichlorobenzene	18.0	5.00	"	25.0		72.2	20-118		11.4	20	
1,2-Dichlorobenzene	17.2	5.00	"	25.0		68.7	29-111		7.94	20	
1,2-Diphenylhydrazine (as Azobenzene)	14.7	5.00	"	25.0		58.7	16-141		0.615	20	
1,3-Dichlorobenzene	15.9	5.00	"	25.0		63.7	23-117		9.16	20	
1,4-Dichlorobenzene	16.8	5.00	"	25.0		67.4	30-105		8.14	20	
2,3,4,6-Tetrachlorophenol	37.3	5.00	"	25.0		149	30-130	High Bias	13.8	20	
2,4,5-Trichlorophenol	18.3	5.00	"	25.0		73.3	32-114		9.26	20	
2,4,6-Trichlorophenol	20.5	5.00	"	25.0		81.9	35-118		12.2	20	
2,4-Dichlorophenol	20.6	5.00	"	25.0		82.4	25-116		6.12	20	
2,4-Dimethylphenol	17.9	5.00	"	25.0		71.4	15-116		13.8	20	
2,4-Dinitrophenol	24.5	5.00	"	25.0		98.2	10-170		34.8	20	Non-dir.
2,4-Dinitrotoluene	22.4	5.00	"	25.0		89.8	41-128		11.5	20	
2,6-Dinitrotoluene	22.4	5.00	"	25.0		89.5	45-116		15.3	20	
2-Chloronaphthalene	18.0	5.00	"	25.0		71.9	33-112		15.4	20	
2-Chlorophenol	16.5	5.00	"	25.0		65.9	15-120		12.4	20	
2-Methylnaphthalene	18.8	5.00	"	25.0		75.2	24-118		8.75	20	
2-Methylphenol	13.8	5.00	"	25.0		55.2	10-110		4.81	20	
2-Nitroaniline	19.3	5.00	"	25.0		77.0	34-129		15.3	20	
2-Nitrophenol	22.0	5.00	"	25.0		87.9	28-118		10.2	20	
3- & 4-Methylphenols	11.0	5.00	"	25.0		43.9	10-107		3.05	20	
3,3-Dichlorobenzidine	18.7	5.00	"	25.0		74.9	15-187		1.54	20	
3-Nitroaniline	17.5	5.00	"	25.0		70.0	24-134		0.286	20	
4,6-Dinitro-2-methylphenol	25.9	5.00	"	25.0		104	10-153		7.00	20	
4-Bromophenyl phenyl ether	18.6	5.00	"	25.0		74.4	34-120		6.35	20	
4-Chloro-3-methylphenol	17.2	5.00	"	25.0		69.0	20-120		3.20	20	
4-Chloroaniline	14.3	5.00	"	25.0		57.3	10-147		7.24	20	
4-Chlorophenyl phenyl ether	17.7	5.00	"	25.0		70.9	27-121		17.4	20	
4-Nitroaniline	17.1	5.00	"	25.0		68.4	13-134		3.56	20	
4-Nitrophenol	7.75	5.00	"	25.0		31.0	10-131		5.03	20	
Acetophenone	18.4	5.00	"	25.0		73.8	25-110		2.62	20	
Aniline	9.04	5.00	"	25.0		36.2	10-117		6.75	20	
Benzaldehyde	15.8	5.00	"	25.0		63.4	29-117		8.11	20	
Benzoic acid	ND	50.0	"	26.9			30-130	Low Bias		20	
Benzyl alcohol	11.4	5.00	"	25.0		45.5	10-117		13.0	20	
Benzyl butyl phthalate	19.7	5.00	"	25.0		78.9	29-133		11.4	20	
Bis(2-chloroethoxy)methane	18.2	5.00	"	25.0		72.8	10-154		5.14	20	
Bis(2-chloroethyl)ether	16.9	5.00	"	25.0		67.5	17-125		16.0	20	
Bis(2-chloroisopropyl)ether	21.1	5.00	"	25.0		84.6	10-139		7.07	20	
Caprolactam	3.12	5.00	"	25.0		12.5	10-137		6.28	20	
Carbazole	19.8	5.00	"	25.0		79.2	42-126		5.69	20	
Dibenzofuran	17.5	5.00	"	25.0		69.8	36-113		12.9	20	
Diethyl phthalate	17.6	5.00	"	25.0		70.4	38-115		12.9	20	
Dimethyl phthalate	18.8	5.00	"	25.0		75.0	38-129		10.7	20	
Di-n-butyl phthalate	20.0	5.00	"	25.0		79.9	31-120		5.46	20	
Di-n-octyl phthalate	23.9	5.00	"	25.0		95.6	21-149		6.52	20	
Hexachlorocyclopentadiene	13.3	10.0	"	25.0		53.2	10-130		21.1	20	Non-dir.
Isophorone	17.1	5.00	"	25.0		68.4	25-127		5.96	20	
N-nitroso-di-n-propylamine	15.0	5.00	"	25.0		59.8	26-122		7.22	20	
N-Nitrosodiphenylamine	24.1	5.00	"	25.0		96.2	23-149		7.90	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 BB90180 - EPA 3510C

LCS Dup (BB90180-BSD1)

Prepared & Analyzed: 02/05/2019

Phenol	6.48	5.00	ug/L	25.0		25.9	10-110		4.82	20	
Pyridine	18.3	5.00	"	35.0		52.3	10-90		8.67	20	
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>18.7</i>		<i>"</i>	<i>50.0</i>		<i>37.5</i>	<i>19.7-63.1</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>10.2</i>		<i>"</i>	<i>50.0</i>		<i>20.3</i>	<i>10.1-41.7</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>15.3</i>		<i>"</i>	<i>25.0</i>		<i>61.1</i>	<i>50.2-113</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>18.6</i>		<i>"</i>	<i>25.0</i>		<i>74.2</i>	<i>39.9-105</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>47.1</i>		<i>"</i>	<i>50.0</i>		<i>94.3</i>	<i>39.3-151</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>20.2</i>		<i>"</i>	<i>25.0</i>		<i>80.7</i>	<i>30.7-106</i>				

Batch BB90259 - EPA 3550C

Blank (BB90259-BLK1)

Prepared & Analyzed: 02/06/2019

1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								



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 BB90259 - EPA 3550C

Blank (BB90259-BLK1)

Prepared & Analyzed: 02/06/2019

Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	0.0326	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.11		"	1.66		66.9	20-108				
Surrogate: SURR: Phenol-d5	1.08		"	1.66		65.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.585		"	0.831		70.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.579		"	0.831		69.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.20		"	1.66		72.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.743		"	0.831		89.4	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 BB90259 - EPA 3550C											
LCS (BB90259-BS1)											
Prepared & Analyzed: 02/06/2019											
1,1-Biphenyl	0.567	0.0416	mg/kg wet	0.831		68.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.630	0.0830	"	0.831		75.9	21-131				
1,2,4-Trichlorobenzene	0.580	0.0416	"	0.831		69.8	10-140				
1,2-Dichlorobenzene	0.541	0.0416	"	0.831		65.1	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.572	0.0416	"	0.831		68.9	17-137				
1,3-Dichlorobenzene	0.530	0.0416	"	0.831		63.8	33-110				
1,4-Dichlorobenzene	0.527	0.0416	"	0.831		63.4	32-104				
2,3,4,6-Tetrachlorophenol	0.514	0.0830	"	0.831		61.9	30-130				
2,4,5-Trichlorophenol	0.578	0.0416	"	0.831		69.6	27-118				
2,4,6-Trichlorophenol	0.585	0.0416	"	0.831		70.4	31-120				
2,4-Dichlorophenol	0.649	0.0416	"	0.831		78.1	20-127				
2,4-Dimethylphenol	0.625	0.0416	"	0.831		75.3	14-132				
2,4-Dinitrophenol	0.348	0.0830	"	0.831		41.9	10-171				
2,4-Dinitrotoluene	0.596	0.0416	"	0.831		71.7	34-131				
2,6-Dinitrotoluene	0.618	0.0416	"	0.831		74.4	31-128				
2-Chloronaphthalene	0.571	0.0416	"	0.831		68.7	31-117				
2-Chlorophenol	0.578	0.0416	"	0.831		69.6	33-113				
2-Methylnaphthalene	0.608	0.0416	"	0.831		73.2	12-138				
2-Methylphenol	0.550	0.0416	"	0.831		66.2	10-136				
2-Nitroaniline	0.562	0.0830	"	0.831		67.7	27-132				
2-Nitrophenol	0.619	0.0416	"	0.831		74.6	17-129				
3- & 4-Methylphenols	0.508	0.0416	"	0.831		61.1	29-103				
3,3-Dichlorobenzidine	0.505	0.0416	"	0.831		60.8	22-149				
3-Nitroaniline	0.478	0.0830	"	0.831		57.6	20-133				
4,6-Dinitro-2-methylphenol	0.497	0.0830	"	0.831		59.8	10-143				
4-Bromophenyl phenyl ether	0.586	0.0416	"	0.831		70.6	29-120				
4-Chloro-3-methylphenol	0.619	0.0416	"	0.831		74.5	24-129				
4-Chloroaniline	0.330	0.0416	"	0.831		39.8	10-132				
4-Chlorophenyl phenyl ether	0.588	0.0416	"	0.831		70.8	27-124				
4-Nitroaniline	0.540	0.0830	"	0.831		65.0	16-128				
4-Nitrophenol	0.565	0.0830	"	0.831		68.0	10-141				
Acenaphthene	0.580	0.0416	"	0.831		69.8	30-121				
Acenaphthylene	0.583	0.0416	"	0.831		70.2	30-115				
Acetophenone	0.534	0.0416	"	0.831		64.3	20-112				
Aniline	0.622	0.166	"	0.831		74.8	10-119				
Anthracene	0.624	0.0416	"	0.831		75.2	34-118				
Atrazine	0.600	0.0416	"	0.831		72.3	26-112				
Benzaldehyde	0.574	0.0416	"	0.831		69.2	21-100				
Benzo(a)anthracene	0.618	0.0416	"	0.831		74.4	32-122				
Benzo(a)pyrene	0.654	0.0416	"	0.831		78.8	29-133				
Benzo(b)fluoranthene	0.647	0.0416	"	0.831		77.9	25-133				
Benzo(g,h,i)perylene	0.662	0.0416	"	0.831		79.7	10-143				
Benzo(k)fluoranthene	0.635	0.0416	"	0.831		76.5	25-128				
Benzoic acid	0.234	0.0416	"	0.894		26.2	10-140				
Benzyl alcohol	0.594	0.0416	"	0.831		71.5	30-115				
Benzyl butyl phthalate	0.669	0.0416	"	0.831		80.5	26-126				
Bis(2-chloroethoxy)methane	0.631	0.0416	"	0.831		75.9	19-132				
Bis(2-chloroethyl)ether	0.622	0.0416	"	0.831		74.8	19-125				
Bis(2-chloroisopropyl)ether	0.709	0.0416	"	0.831		85.4	20-135				
Bis(2-ethylhexyl)phthalate	0.631	0.0416	"	0.831		76.0	10-155				
Caprolactam	0.569	0.0830	"	0.831		68.5	10-127				



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 BB90259 - EPA 3550C

LCS (BB90259-BS1)

Prepared & Analyzed: 02/06/2019

Carbazole	0.610	0.0416	mg/kg wet	0.831		73.4	35-123				
Chrysene	0.645	0.0416	"	0.831		77.6	32-123				
Dibenzo(a,h)anthracene	0.666	0.0416	"	0.831		80.2	10-136				
Dibenzofuran	0.559	0.0416	"	0.831		67.3	29-121				
Diethyl phthalate	0.582	0.0416	"	0.831		70.1	34-116				
Dimethyl phthalate	0.509	0.0416	"	0.831		61.2	35-124				
Di-n-butyl phthalate	0.620	0.0416	"	0.831		74.6	31-116				
Di-n-octyl phthalate	0.663	0.0416	"	0.831		79.8	26-136				
Fluoranthene	0.633	0.0416	"	0.831		76.2	33-122				
Fluorene	0.578	0.0416	"	0.831		69.6	29-123				
Hexachlorobenzene	0.582	0.0416	"	0.831		70.1	21-124				
Hexachlorobutadiene	0.584	0.0416	"	0.831		70.3	10-149				
Hexachlorocyclopentadiene	0.347	0.0416	"	0.831		41.8	10-129				
Hexachloroethane	0.541	0.0416	"	0.831		65.1	28-108				
Indeno(1,2,3-cd)pyrene	0.654	0.0416	"	0.831		78.8	10-135				
Isophorone	0.619	0.0416	"	0.831		74.5	20-132				
Naphthalene	0.617	0.0416	"	0.831		74.2	23-124				
Nitrobenzene	0.579	0.0416	"	0.831		69.8	13-132				
N-Nitrosodimethylamine	0.547	0.0416	"	0.831		65.9	11-129				
N-nitroso-di-n-propylamine	0.572	0.0416	"	0.831		68.8	24-119				
N-Nitrosodiphenylamine	0.708	0.0416	"	0.831		85.2	22-152				
Pentachlorophenol	0.532	0.0416	"	0.831		64.1	10-139				
Phenanthrene	0.629	0.0416	"	0.831		75.7	33-123				
Phenol	0.609	0.0416	"	0.831		73.4	23-115				
Pyrene	0.649	0.0416	"	0.831		78.2	32-130				
Pyridine	0.448	0.166	"	0.831		54.0	10-91				
Surrogate: SURR: 2-Fluorophenol	1.14		"	1.66		68.9	20-108				
Surrogate: SURR: Phenol-d5	1.11		"	1.66		67.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.586		"	0.831		70.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.575		"	0.831		69.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.15		"	1.66		69.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.629		"	0.831		75.7	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					Limit	

Batch BB90165 - EPA SW846-3510C Low Level

Blank (BB90165-BLK1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

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>	0.216		"	0.272	79.3	30-150					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.181		"	0.205	88.4	30-150					

LCS (BB90165-BS1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

4,4'-DDD	0.0737	0.00400	ug/L	0.100	73.7	40-140					
4,4'-DDE	0.103	0.00400	"	0.100	103	40-140					
4,4'-DDT	0.117	0.00400	"	0.100	117	40-140					
Aldrin	0.0889	0.00400	"	0.100	88.9	40-140					
alpha-BHC	0.0940	0.00400	"	0.100	94.0	40-140					
alpha-Chlordane	0.0926	0.00400	"	0.100	92.6	40-140					
beta-BHC	0.0881	0.00400	"	0.100	88.1	40-140					
delta-BHC	0.0954	0.00400	"	0.100	95.4	40-140					
Dieldrin	0.0972	0.00200	"	0.100	97.2	40-140					
Endosulfan I	0.0670	0.00400	"	0.100	67.0	40-140					
Endosulfan II	0.105	0.00400	"	0.100	105	40-140					
Endosulfan sulfate	0.102	0.00400	"	0.100	102	40-140					
Endrin	0.0959	0.00400	"	0.100	95.9	40-140					
Endrin aldehyde	0.0859	0.0100	"	0.100	85.9	40-140					
Endrin ketone	0.111	0.0100	"	0.100	111	40-140					
gamma-BHC (Lindane)	0.0894	0.00400	"	0.100	89.4	40-140					
gamma-Chlordane	0.0897	0.0100	"	0.100	89.7	40-140					
Heptachlor	0.0991	0.00400	"	0.100	99.1	40-140					
Heptachlor epoxide	0.0890	0.00400	"	0.100	89.0	40-140					
Methoxychlor	0.0894	0.00400	"	0.100	89.4	40-140					

<i>Surrogate: Decachlorobiphenyl</i>	0.241		"	0.272	88.7	30-150					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.162		"	0.205	79.0	30-150					



Organochlorine Pesticides by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90165 - EPA SW846-3510C Low Level

LCS Dup (BB90165-BSD1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

4,4'-DDD	0.0801	0.00400	ug/L	0.100		80.1	40-140		8.29	20	
4,4'-DDE	0.105	0.00400	"	0.100		105	40-140		1.97	20	
4,4'-DDT	0.113	0.00400	"	0.100		113	40-140		3.29	20	
Aldrin	0.0922	0.00400	"	0.100		92.2	40-140		3.60	20	
alpha-BHC	0.0999	0.00400	"	0.100		99.9	40-140		6.16	20	
alpha-Chlordane	0.0929	0.00400	"	0.100		92.9	40-140		0.271	20	
beta-BHC	0.0915	0.00400	"	0.100		91.5	40-140		3.81	20	
delta-BHC	0.0995	0.00400	"	0.100		99.5	40-140		4.16	20	
Dieldrin	0.0970	0.00200	"	0.100		97.0	40-140		0.140	20	
Endosulfan I	0.0866	0.00400	"	0.100		86.6	40-140		25.5	20	Non-dir.
Endosulfan II	0.103	0.00400	"	0.100		103	40-140		1.89	20	
Endosulfan sulfate	0.101	0.00400	"	0.100		101	40-140		1.32	20	
Endrin	0.102	0.00400	"	0.100		102	40-140		6.10	20	
Endrin aldehyde	0.0857	0.0100	"	0.100		85.7	40-140		0.259	20	
Endrin ketone	0.108	0.0100	"	0.100		108	40-140		2.53	20	
gamma-BHC (Lindane)	0.0948	0.00400	"	0.100		94.8	40-140		5.92	20	
gamma-Chlordane	0.0907	0.0100	"	0.100		90.7	40-140		1.11	20	
Heptachlor	0.105	0.00400	"	0.100		105	40-140		5.38	20	
Heptachlor epoxide	0.0912	0.00400	"	0.100		91.2	40-140		2.45	20	
Methoxychlor	0.101	0.00400	"	0.100		101	40-140		11.9	20	
Surrogate: Decachlorobiphenyl	0.259		"	0.272		95.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.173		"	0.205		84.2	30-150				

Batch BB90316 - EPA 3550C

Blank (BB90316-BLK1)

Prepared: 02/06/2019 Analyzed: 02/07/2019

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	81.6		"	90.7		90.0	30-150				
Surrogate: Tetrachloro-m-xylene	69.1		"	68.3		101	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Limits	Flag	RPD	RPD	
		Limit			Result	%REC				Limit	Flag
Batch BB90316 - EPA 3550C											
LCS (BB90316-BS1)											
										Prepared: 02/06/2019 Analyzed: 02/07/2019	
4,4'-DDD	31.2	0.330	ug/kg wet	33.3		93.7	40-140				
4,4'-DDE	33.0	0.330	"	33.3		99.1	40-140				
4,4'-DDT	29.9	0.330	"	33.3		89.7	40-140				
Aldrin	31.9	0.330	"	33.3		95.6	40-140				
alpha-BHC	34.3	0.330	"	33.3		103	40-140				
alpha-Chlordane	29.9	0.330	"	33.3		89.7	40-140				
beta-BHC	30.9	0.330	"	33.3		92.6	40-140				
delta-BHC	33.7	0.330	"	33.3		101	40-140				
Dieldrin	31.0	0.330	"	33.3		93.1	40-140				
Endosulfan I	29.1	0.330	"	33.3		87.3	40-140				
Endosulfan II	34.8	0.330	"	33.3		104	40-140				
Endosulfan sulfate	32.6	0.330	"	33.3		97.9	40-140				
Endrin	30.4	0.330	"	33.3		91.2	40-140				
Endrin aldehyde	27.1	0.330	"	33.3		81.4	40-140				
Endrin ketone	36.8	0.330	"	33.3		110	40-140				
gamma-BHC (Lindane)	32.1	0.330	"	33.3		96.2	40-140				
gamma-Chlordane	30.2	0.330	"	33.3		90.6	40-140				
Heptachlor	31.9	0.330	"	33.3		95.7	40-140				
Heptachlor epoxide	30.3	0.330	"	33.3		91.0	40-140				
Methoxychlor	25.3	1.65	"	33.3		75.9	40-140				
<i>Surrogate: Decachlorobiphenyl</i>	<i>75.9</i>		<i>"</i>	<i>90.7</i>		<i>83.7</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>62.0</i>		<i>"</i>	<i>68.3</i>		<i>90.8</i>	<i>30-150</i>				



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 BB90165 - EPA SW846-3510C Low Level

Blank (BB90165-BLK2)

Prepared & Analyzed: 02/05/2019

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>	0.219		"	0.205		107		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.260		"	0.272		95.6		30-120					

LCS (BB90165-BS2)

Prepared & Analyzed: 02/05/2019

Aroclor 1016	0.967	0.0500	ug/L	1.00		96.7		40-120					
Aroclor 1260	0.978	0.0500	"	1.00		97.8		40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.227		"	0.205		111		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.240		"	0.272		88.2		30-120					

LCS Dup (BB90165-BS2)

Prepared & Analyzed: 02/05/2019

Aroclor 1016	0.969	0.0500	ug/L	1.00		96.9		40-120	0.186	30			
Aroclor 1260	1.03	0.0500	"	1.00		103		40-120	5.47	30			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.223		"	0.205		109		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.251		"	0.272		92.3		30-120					

Batch BB90316 - EPA 3550C

Blank (BB90316-BLK2)

Prepared: 02/06/2019 Analyzed: 02/07/2019

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>	0.0887		"	0.0683		130		30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.103		"	0.0907		114		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 BB90316 - EPA 3550C

LCS (BB90316-BS2)

Prepared: 02/06/2019 Analyzed: 02/07/2019

Aroclor 1016	0.343	0.0167	mg/kg wet	0.333		103	40-130				
Aroclor 1260	0.371	0.0167	"	0.333		111	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0847</i>		"	<i>0.0683</i>		<i>124</i>	<i>30-140</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0880</i>		"	<i>0.0907</i>		<i>97.1</i>	<i>30-140</i>				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BB90124 - EPA 3015A

Blank (BB90124-BLK1)

Prepared: 02/04/2019 Analyzed: 02/05/2019

Aluminum	ND	0.0556	mg/L								
Aluminum	ND	56	ug/L								
Antimony	ND	28	"								
Arsenic	ND	17	"								
Barium	ND	0.0278	mg/L								
Barium	ND	28	ug/L								
Beryllium	ND	0.6	"								
Cadmium	ND	3	"								
Calcium	0.0608	0.0556	mg/L								
Calcium	61	56	ug/L								
Chromium	ND	0.00556	mg/L								
Chromium	ND	6	ug/L								
Cobalt	ND	0.00444	mg/L								
Cobalt	ND	4	ug/L								
Copper	ND	0.0222	mg/L								
Copper	ND	22	ug/L								
Iron	ND	0.278	mg/L								
Iron	ND	278	ug/L								
Lead	0.00564	0.00556	mg/L								
Lead	6	6	ug/L								
Magnesium	ND	0.0556	mg/L								
Magnesium	ND	56	ug/L								
Manganese	ND	0.00556	mg/L								
Manganese	ND	6	ug/L								
Nickel	ND	0.0111	mg/L								
Nickel	ND	11	ug/L								
Potassium	ND	56	"								
Potassium	ND	0.0556	mg/L								
Selenium	ND	28	ug/L								
Silver	ND	0.00556	mg/L								
Silver	ND	6	ug/L								
Sodium	ND	0.556	mg/L								
Sodium	ND	556	ug/L								
Thallium	ND	28	"								
Vanadium	ND	11	"								
Vanadium	ND	0.0111	mg/L								
Zinc	ND	28	ug/L								
Zinc	ND	0.0278	mg/L								



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			Result					Limit			

Batch BB90124 - EPA 3015A

LCS (BB90124-BS1)

Prepared: 02/04/2019 Analyzed: 02/05/2019

Aluminum	1.97		ug/mL	2.00		98.3		80-120					
Aluminum	1.97		"	2.00		98.3		80-120					
Antimony	0.265		"	0.250		106		80-120					
Arsenic	1.87		"	2.00		93.7		80-120					
Barium	2.02		"	2.00		101		80-120					
Barium	2.02		"	2.00		101		80-120					
Beryllium	0.048		"	0.0500		97.0		80-120					
Cadmium	0.050		"	0.0500		101		80-120					
Calcium	1.05		"	1.00		105		80-120					
Calcium	1.05		"	1.00		105		80-120					
Chromium	0.210		"	0.200		105		80-120					
Chromium	0.210		"	0.200		105		80-120					
Cobalt	0.524		"	0.500		105		80-120					
Cobalt	0.524		"	0.500		105		80-120					
Copper	0.259		"	0.250		104		80-120					
Copper	0.259		"	0.250		104		80-120					
Iron	1.03		"	1.00		103		80-120					
Iron	1.03		"	1.00		103		80-120					
Lead	0.505		"	0.500		101		80-120					
Lead	0.505		"	0.500		101		80-120					
Magnesium	1.03		"	1.00		103		80-120					
Magnesium	1.03		"	1.00		103		80-120					
Manganese	0.507		"	0.500		101		80-120					
Manganese	0.507		"	0.500		101		80-120					
Nickel	0.511		"	0.500		102		80-120					
Nickel	0.511		"	0.500		102		80-120					
Potassium	1.04		"	1.00		104		80-120					
Potassium	1.04		"	1.00		104		80-120					
Selenium	1.70		"	2.00		85.2		80-120					
Silver	0.052		"	0.0500		103		80-120					
Silver	0.0517		"	0.0500		103		80-120					
Sodium	1.07		"	1.00		107		80-120					
Sodium	1.07		"	1.00		107		80-120					
Thallium	1.98		"	2.00		99.2		80-120					
Vanadium	0.492		"	0.500		98.5		80-120					
Vanadium	0.492		"	0.500		98.5		80-120					
Zinc	0.501		"	0.500		100		80-120					
Zinc	0.501		"	0.500		100		80-120					



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 BB90219 - EPA 3050B

Blank (BB90219-BLK1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Reference (BB90219-SRM1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Aluminum	7320	5.00	mg/kg wet	8360	87.5	39.4-160.5
Antimony	76.0	2.50	"	75.5	101	25.1-275.7
Arsenic	161	1.50	"	161	100	69.9-132.9
Barium	257	2.50	"	260	99.0	71.5-136.3
Beryllium	101	0.050	"	97.6	103	75.4-138.1
Cadmium	219	0.300	"	211	104	73.3-141.5
Calcium	4780	5.00	"	4760	100	73.7-136.1
Chromium	131	0.500	"	136	96.4	69.1-143.3
Cobalt	51.8	0.400	"	48.2	107	74.6-142
Copper	178	2.00	"	166	107	72.7-141.6
Iron	12100	25.0	"	14100	85.5	35.6-163.9
Lead	112	0.500	"	111	101	70.8-137.1
Magnesium	2230	5.00	"	2340	95.4	63.6-136.1
Manganese	281	0.500	"	228	123	75.7-134.3
Nickel	106	1.00	"	91.9	115	70.7-146.3
Potassium	1950	5.00	"	2020	96.7	59.8-140.2
Selenium	170	2.50	"	191	88.9	67.1-136.8
Silver	40.7	0.500	"	43.3	94.0	66.5-139.5
Sodium	240	50.0	"	218	110	40.6-159.8
Thallium	160	2.50	"	156	102	68-136.2
Vanadium	51.3	1.00	"	56.7	90.5	58.9-141.8
Zinc	193	2.50	"	199	96.9	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	
		Limit								RPD	Limit

Batch BB90221 - EPA 3015A

Blank (BB90221-BLK1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Aluminum - Dissolved	0.0643	0.0556	mg/L
Barium - Dissolved	ND	0.0278	"
Calcium - Dissolved	ND	0.0556	"
Chromium - Dissolved	ND	0.00556	"
Cobalt - Dissolved	ND	0.00444	"
Copper - Dissolved	ND	0.0222	"
Iron - Dissolved	ND	0.278	"
Lead - Dissolved	ND	0.00556	"
Magnesium - Dissolved	ND	0.0556	"
Manganese - Dissolved	ND	0.00556	"
Nickel - Dissolved	ND	0.0111	"
Potassium - Dissolved	ND	0.0556	"
Silver - Dissolved	ND	0.00556	"
Sodium - Dissolved	ND	0.556	"
Vanadium - Dissolved	ND	0.0111	"
Zinc - Dissolved	ND	0.0278	"

LCS (BB90221-BS1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Aluminum - Dissolved	1.99		ug/mL	2.00	99.4	80-120	
Barium - Dissolved	2.04		"	2.00	102	80-120	
Calcium - Dissolved	1.08		"	1.00	108	80-120	
Chromium - Dissolved	0.209		"	0.200	105	80-120	
Cobalt - Dissolved	0.527		"	0.500	105	80-120	
Copper - Dissolved	0.275		"	0.250	110	80-120	
Iron - Dissolved	1.61		"	1.00	161	80-120	High Bias
Lead - Dissolved	0.516		"	0.500	103	80-120	
Magnesium - Dissolved	1.03		"	1.00	103	80-120	
Manganese - Dissolved	0.514		"	0.500	103	80-120	
Nickel - Dissolved	0.510		"	0.500	102	80-120	
Potassium - Dissolved	0.935		"	1.00	93.5	80-120	
Silver - Dissolved	0.0476		"	0.0500	95.3	80-120	
Sodium - Dissolved	0.919		"	1.00	91.9	80-120	
Vanadium - Dissolved	0.493		"	0.500	98.7	80-120	
Zinc - Dissolved	0.499		"	0.500	99.8	80-120	



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BB90221 - EPA 3015A

Duplicate (BB90221-DUP1)	*Source sample: 19A1289-14 (MW-FB)				Prepared: 02/05/2019 Analyzed: 02/06/2019							
Aluminum - Dissolved	ND	0.0556	mg/L		ND							20
Barium - Dissolved	ND	0.0278	"		ND							20
Calcium - Dissolved	ND	0.0556	"		0.0732							20
Chromium - Dissolved	ND	0.00556	"		ND							20
Cobalt - Dissolved	ND	0.00444	"		ND							20
Copper - Dissolved	ND	0.0222	"		ND							20
Iron - Dissolved	ND	0.278	"		ND							20
Lead - Dissolved	ND	0.00556	"		ND							20
Magnesium - Dissolved	ND	0.0556	"		ND							20
Manganese - Dissolved	ND	0.00556	"		ND							20
Nickel - Dissolved	ND	0.0111	"		ND							20
Potassium - Dissolved	ND	0.0556	"		ND							20
Silver - Dissolved	ND	0.00556	"		ND							20
Sodium - Dissolved	ND	0.556	"		ND							20
Vanadium - Dissolved	ND	0.0111	"		ND							20
Zinc - Dissolved	ND	0.0278	"		ND							20

Matrix Spike (BB90221-MS1)	*Source sample: 19A1289-14 (MW-FB)				Prepared: 02/05/2019 Analyzed: 02/06/2019							
Barium - Dissolved	2.25	0.0278	mg/L	2.22	ND	101	75-125					
Chromium - Dissolved	0.220	0.00556	"	0.222	ND	99.0	75-125					
Cobalt - Dissolved	0.574	0.00444	"	0.556	ND	103	75-125					
Copper - Dissolved	0.294	0.0222	"	0.278	ND	106	75-125					
Iron - Dissolved	1.13	0.278	"	1.11	ND	102	75-125					
Lead - Dissolved	0.555	0.00556	"	0.556	ND	99.9	75-125					
Manganese - Dissolved	0.564	0.00556	"	0.556	ND	102	75-125					
Nickel - Dissolved	0.561	0.0111	"	0.556	ND	101	75-125					
Silver - Dissolved	0.0537	0.00556	"	0.0556	ND	96.6	75-125					
Vanadium - Dissolved	0.550	0.0111	"	0.556	ND	99.0	75-125					
Zinc - Dissolved	0.521	0.0278	"	0.556	ND	93.7	75-125					



Metals by ICP/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BB90125 - EPA 3015A

Blank (BB90125-BLK1)

Prepared & Analyzed: 02/04/2019

Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								

LCS (BB90125-BS1)

Prepared & Analyzed: 02/04/2019

Antimony	40.9		ug/L	50.0	81.8	80-120					
Arsenic	48.2		"	50.0	96.4	80-120					
Beryllium	49.5		"	50.0	99.0	80-120					
Cadmium	48.0		"	50.0	95.9	80-120					
Selenium	48.0		"	50.0	95.9	80-120					
Thallium	52.3		"	50.0	105	80-120					

Batch BB90222 - EPA 3015A

Blank (BB90222-BLK1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.000333	"								
Cadmium - Dissolved	ND	0.000556	"								
Selenium - Dissolved	ND	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								

LCS (BB90222-BS1)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Antimony - Dissolved	40.1		ug/L	50.0	80.2	80-120					
Arsenic - Dissolved	52.8		"	50.0	106	80-120					
Beryllium - Dissolved	48.6		"	50.0	97.2	80-120					
Cadmium - Dissolved	48.8		"	50.0	97.7	80-120					
Selenium - Dissolved	47.6		"	50.0	95.2	80-120					
Thallium - Dissolved	49.5		"	50.0	99.0	80-120					



Metals by ICP/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 BB90222 - EPA 3015A

Duplicate (BB90222-DUP1)

*Source sample: 19A1289-14 (MW-FB)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Antimony - Dissolved	ND	0.00111	mg/L		ND						20	
Arsenic - Dissolved	ND	0.00111	"		ND						20	
Beryllium - Dissolved	ND	0.000333	"		ND						20	
Cadmium - Dissolved	ND	0.000556	"		ND						20	
Selenium - Dissolved	ND	0.00111	"		ND						20	
Thallium - Dissolved	ND	0.00111	"		ND						20	

Matrix Spike (BB90222-MS1)

*Source sample: 19A1289-14 (MW-FB)

Prepared: 02/05/2019 Analyzed: 02/06/2019

Antimony - Dissolved	38.5		ug/L	50.0	-0.0009	76.9	75-125					
Arsenic - Dissolved	53.2		"	50.0	-0.004	106	75-125					
Beryllium - Dissolved	45.9		"	50.0	0.002	91.9	75-125					
Cadmium - Dissolved	47.3		"	50.0	0.003	94.6	75-125					
Selenium - Dissolved	54.3		"	50.0	0.471	108	75-125					
Thallium - Dissolved	54.0		"	50.0	0.023	108	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 BB90100 - EPA 7473 water											
Blank (BB90100-BLK1)										Prepared & Analyzed: 02/04/2019	
Mercury - Dissolved	ND	0.0002000	mg/L								
Duplicate (BB90100-DUP1)										*Source sample: 19A1289-14 (MW-FB) Prepared & Analyzed: 02/04/2019	
Mercury - Dissolved	ND	0.0002000	mg/L		ND						20
Matrix Spike (BB90100-MS1)										*Source sample: 19A1289-14 (MW-FB) Prepared & Analyzed: 02/04/2019	
Mercury - Dissolved	0.008260		mg/L	0.0100	0.000	82.6	75-125				
Reference (BB90100-SRM1)										Prepared & Analyzed: 02/04/2019	
Mercury - Dissolved	0.01036		mg/L	0.0100		104	70-130				
Batch BB90349 - EPA 7473 water											
Blank (BB90349-BLK1)										Prepared & Analyzed: 02/07/2019	
Mercury	ND	0.00020	mg/L								
Reference (BB90349-SRM1)										Prepared & Analyzed: 02/07/2019	
Mercury	0.00917		mg/L	0.0100		91.7	70-130				
Batch BB90368 - EPA 7473 soil											
Blank (BB90368-BLK1)										Prepared & Analyzed: 02/07/2019	
Mercury	ND	0.0300	mg/kg wet								
Reference (BB90368-SRM1)										Prepared & Analyzed: 02/07/2019	
Mercury	2.8509		mg/kg	3.71		76.8	65-135				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA91448 - Analysis Preparation											
Blank (BA91448-BLK1)										Prepared & Analyzed: 01/31/2019	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BA91448-BS1)										Prepared & Analyzed: 01/31/2019	
Chromium, Hexavalent	0.492	0.0100	mg/L	0.500		98.4	80-120				
Duplicate (BA91448-DUP1) *Source sample: 19A1289-14 (MW-FB)										Prepared & Analyzed: 01/31/2019	
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Matrix Spike (BA91448-MS1) *Source sample: 19A1289-14 (MW-FB)										Prepared & Analyzed: 01/31/2019	
Chromium, Hexavalent	0.511	0.0100	mg/L	0.500	ND	102	75-125				
Batch BB90273 - EPA SW846-3060											
Blank (BB90273-BLK1)										Prepared & Analyzed: 02/06/2019	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BB90273-SRM1)										Prepared & Analyzed: 02/06/2019	
Chromium, Hexavalent	38.7		mg/L	76.9		50.3	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19A1289-01	LSB-7A	40mL Vial with Stir Bar-Cool 4° C
19A1289-02	LSB-7B	40mL Vial with Stir Bar-Cool 4° C
19A1289-03	SB-Dup-1	40mL Vial with Stir Bar-Cool 4° C
19A1289-04	SB-FB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-05	SB-Trip Blank-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-06	LMW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-07	MW-Dup-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-08	LMW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-09	LMW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-10	LMW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-11	MW-Trip Blank-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-12	MW-Trip Blank-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-13	MW-Trip Blank-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19A1289-14	MW-FB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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Field Chain-of-Custody Record

YORK Project No.
19A1289

Page 1 of 2

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.

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: Langer Engineering	Company: SAME	Company: Langer Engineering	Company: SAME	Company: Langer Engineering	Company: SAME	100646801		RUSH - Next Day	
Address: 200 Kimball Dr. Paramus NY	Address: SAME	Address: Langer Engineering	Address: SAME	Address: Langer Engineering	Address: SAME	YOUR Project Name		RUSH - Two Day	
Phone: 973.560.4190	Phone: SAME	Phone: Langer Engineering	Phone: SAME	Phone: Langer Engineering	Phone: SAME	60 Norfolk		RUSH - Three Day	
Contact: Sam Haines	Contact: Matthew Oleksa	Contact: Matthew Oleksa	Contact: Matthew Oleksa	Contact: Matthew Oleksa	Contact: Matthew Oleksa	YOUR PO#:		RUSH - Four Day	
E-mail: shaines@langer.com	E-mail: moleksa@langer.com	E-mail: moleksa@langer.com	E-mail: moleksa@langer.com	E-mail: moleksa@langer.com	E-mail: moleksa@langer.com			Standard (5-7 Day) <input checked="" type="checkbox"/>	

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

Samples Collected by: (print your name above and sign below)
 Sam Haines

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
LSB-7A	S	1/30/19 0910	Vol% SVOCs, Pesticides, PCBs, Total Metals	1.007 jar
LSB-7B	C	0920	Hexavalent Chromium	41 x 100ml Vial
SB-DUP-1	S	0930	"	5 x 1L amber's 3.6
SB-FB	AR	11150	"	3x 250 bottles
SB-Top Blank-2	AR	-	Vol%	2x 400ml Vial
1 MW-5	GW	1045	Vol% SVOCs, Pesticides, PCBs, Total Metals	5 x 1L amber
MW-DUP-1	GW	1100	Filtered Metals, Hexavalent Chromium	3x 250ml
1 MW-4	GW	1220	"	3x 400ml Vial
1 MW-2	GW	1325	"	
1 MW-6	GW	1445	"	

Comments:

Preservation: (check all that apply)
 HCl MeOH HNO₃ H₂SO₄ NaOH ZnAc
 Ascorbic Acid Other:

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Sabinia Langer	1/30/19 1530	Matthew Oleksa	1/30/19 1930
Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received in LAB by	Date/Time
		J. Balch	1/30/19-1907

Temp. Received at Lab: **3.6** Degrees C.



York Analytical Laboratories, Inc.
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 Stratford, CT 06615
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 www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.
 19A1289

Page 2 of 2

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.

YOUR Information Company: <u>Lanxon Engineering</u> Address: <u>300 Kumbal Dr.</u> Phone: <u>973 560 1900</u> Contact: <u>Sam Haine</u> E-mail: <u>shaine@lanxon.com</u>		Report To: Company: _____ Address: _____ Phone: _____ Contact: <u>Matthew Orlie</u> E-mail: <u>morio@lanxon.com</u>		Invoice To: Company: _____ Address: _____ Phone: _____ Contact: <u>Matthew Orlie</u> E-mail: <u>morio@lanxon.com</u>		YOUR Project Number <u>100646801</u>		Turn-Around Time RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) <input checked="" type="checkbox"/>	
Matrix Codes S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil / Other		Report / EDD Type (circle selections) Summary Report <input checked="" type="checkbox"/> QA Report <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input checked="" type="checkbox"/>		YORK Reg. Comp. Compared to the following Regulation(s): (please fill in) Standard Excel EDD EQUIS (Standard) NYSDEC EQUIS NJDEP SRP HazSite Other: _____		YORK Reg. Comp. Compared to the following Regulation(s): (please fill in)		Container Description <u>2x 100ml Vials</u>	
Sample Matrix AQ AQ AQ AQ		Analysis Requested <u>VOCs</u> <u>VOCs</u> <u>VOCs</u> <u>VOCs, SVOCs, Pesticides, PCBs, Total Metals, Filtered Metals, Unfiltered Chromium, 3X LID/L Vials</u>		Analysis Requested Standard Excel EDD EQUIS (Standard) NYSDEC EQUIS NJDEP SRP HazSite Other: _____		Analysis Requested <u>VOCs</u> <u>VOCs</u> <u>VOCs</u> <u>VOCs, SVOCs, Pesticides, PCBs, Total Metals, Filtered Metals, Unfiltered Chromium, 3X LID/L Vials</u>		Container Description <u>2x 100ml Vials</u>	
Sample Identification <u>MW-Top Blank-1</u> <u>MW-Top Blank-2</u> <u>MW-Top Blank-3</u> <u>MW-EB</u>		Sample Matrix AQ AQ AQ AQ		Date/Time Sampled <u>1/30/14</u> <u>1/30/14</u> <u>1/30/14</u> <u>1/30/14 15:00</u>		Date/Time <u>1/30/14</u> <u>1/30/14</u> <u>1/30/14</u> <u>1/30/14 15:30</u>		Date/Time <u>1/30/14</u> <u>1/30/14</u> <u>1/30/14</u> <u>1/30/14 15:30</u>	
Comments: <u>Signature</u>		Preservation: (check all that apply) HCl <input checked="" type="checkbox"/> MeOH _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other: _____		Special Instruction <u>Field Filtered Lab to Filter</u> <input checked="" type="checkbox"/>		Special Instruction <u>Field Filtered Lab to Filter</u> <input checked="" type="checkbox"/>		Special Instruction <u>Field Filtered Lab to Filter</u> <input checked="" type="checkbox"/>	
Samples Relinquished by / Company <u>Signature Lanxon</u> Date/Time: <u>1/30/14 15:30</u>		Samples Relinquished by / Company <u>Signature Lanxon</u> Date/Time: <u>1/30/14 15:30</u>		Samples Relinquished by / Company <u>Signature Lanxon</u> Date/Time: <u>1/30/14 15:30</u>		Samples Relinquished by / Company <u>Signature Lanxon</u> Date/Time: <u>1/30/14 15:30</u>		Samples Relinquished by / Company <u>Signature Lanxon</u> Date/Time: <u>1/30/14 15:30</u>	
Samples Received in LAB by: <u>Signature</u> Date/Time: <u>1/30/19-1907</u>		Samples Received in LAB by: <u>Signature</u> Date/Time: <u>1/30/19-1907</u>		Samples Received in LAB by: <u>Signature</u> Date/Time: <u>1/30/19-1907</u>		Samples Received in LAB by: <u>Signature</u> Date/Time: <u>1/30/19-1907</u>		Samples Received in LAB by: <u>Signature</u> Date/Time: <u>1/30/19-1907</u>	
Temp. Received at Lab: <u>3.6</u>		Temp. Received at Lab: <u>3.6</u>		Temp. Received at Lab: <u>3.6</u>		Temp. Received at Lab: <u>3.6</u>		Temp. Received at Lab: <u>3.6</u>	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

Report Date: 02/08/2019
Client Project ID: 100646801
York Project (SDG) No.: 19A1323

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

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 January 31, 2019 and listed below. The project was identified as your project: **100646801**.

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>
19A1323-01	LSV-6	Soil Vapor	01/31/2019	01/31/2019
19A1323-02	LSV-7	Soil Vapor	01/31/2019	01/31/2019
19A1323-03	LSV-2	Soil Vapor	01/31/2019	01/31/2019
19A1323-04	LSV-9	Soil Vapor	01/31/2019	01/31/2019
19A1323-05	LSV-4	Soil Vapor	01/31/2019	01/31/2019
19A1323-06	LSV-5	Soil Vapor	01/31/2019	01/31/2019
19A1323-07	LSV-8	Soil Vapor	01/31/2019	01/31/2019
19A1323-08	SV-Dup-1	Soil Vapor	01/31/2019	01/31/2019

General Notes for York Project (SDG) No.: 19A1323

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/08/2019





Sample Information

Client Sample ID: LSV-6

York Sample ID: 19A1323-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19A1323	100646801	Soil Vapor	January 31, 2019 8:41 am	01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.90	1.31	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 06:51	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.71	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.90	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.0	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.71	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.53	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.13	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.97	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.64	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.0	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.79	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.53	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.61	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.92	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.64	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.87	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.79	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.61	1.31	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 06:51	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.79	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.94	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
78-93-3	2-Butanone	13		ug/m ³	0.39	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
591-78-6	* 2-Hexanone	1.4		ug/m ³	1.1	1.31	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 06:51	AS



Sample Information

Client Sample ID: LSV-6

York Sample ID: 19A1323-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 8:41 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	2.1	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.54	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
67-64-1	Acetone	4.6		ug/m ³	0.62	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.28	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
71-43-2	Benzene	0.67		ug/m ³	0.42	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.68	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.88	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-25-2	Bromoform	ND		ug/m ³	1.4	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
74-83-9	Bromomethane	ND		ug/m ³	0.51	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.41	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
56-23-5	Carbon tetrachloride	0.41		ug/m ³	0.21	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.60	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-00-3	Chloroethane	ND		ug/m ³	0.35	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
67-66-3	Chloroform	ND		ug/m ³	0.64	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
74-87-3	Chloromethane	1.0		ug/m ³	0.27	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.13	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.45	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-71-8	Dichlorodifluoromethane	1.8		ug/m ³	0.65	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.94	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
100-41-4	Ethyl Benzene	1.3		ug/m ³	0.57	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS



Sample Information

Client Sample ID: LSV-6

York Sample ID: 19A1323-01

York Project (SDG) No.

Client Project ID

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100646801

Soil Vapor

January 31, 2019 8:41 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.68		ug/m ³	0.64	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.54	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.47	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-09-2	Methylene chloride	ND		ug/m ³	0.91	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
142-82-5	n-Heptane	ND		ug/m ³	0.54	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
110-54-3	n-Hexane	ND		ug/m ³	0.46	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
95-47-6	o-Xylene	1.3		ug/m ³	0.57	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
179601-23-1	p- & m- Xylenes	5.3		ug/m ³	1.1	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.64	1.31	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 06:51	AS
115-07-1	* Propylene	0.88		ug/m ³	0.23	1.31	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 06:51	AS
100-42-5	Styrene	ND		ug/m ³	0.56	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.22	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.77	1.31	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 06:51	AS
108-88-3	Toluene	1.4		ug/m ³	0.49	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.52	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.18	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.74	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.46	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.57	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.084	1.31	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 06:51	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.8 %		70-130						



Sample Information

Client Sample ID: LSV-7

York Sample ID: 19A1323-02

York Project (SDG) No.

Client Project ID

Matrix

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19A1323

100646801

Soil Vapor

January 31, 2019 9:12 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.87	1.272	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 07:55	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.69	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.87	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.97	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.69	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.51	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.13	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.94	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
95-63-6	1,2,4-Trimethylbenzene	4.1		ug/m ³	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.98	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.51	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.59	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.89	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
108-67-8	1,3,5-Trimethylbenzene	1.4		ug/m ³	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.84	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.59	1.272	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 07:55	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.76	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.92	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
78-93-3	2-Butanone	120		ug/m ³	0.38	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
591-78-6	* 2-Hexanone	30		ug/m ³	1.0	1.272	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 07:55	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.0	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS



Sample Information

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York Sample ID: 19A1323-02

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Soil Vapor

January 31, 2019 9:12 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
67-64-1	Acetone	10		ug/m ³	0.60	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.28	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
71-43-2	Benzene	0.93		ug/m ³	0.41	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.66	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.85	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-25-2	Bromoform	ND		ug/m ³	1.3	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
74-83-9	Bromomethane	ND		ug/m ³	0.49	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.40	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.20	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.59	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-00-3	Chloroethane	ND		ug/m ³	0.34	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
67-66-3	Chloroform	ND		ug/m ³	0.62	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
74-87-3	Chloromethane	ND		ug/m ³	0.26	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.13	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.58	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
110-82-7	Cyclohexane	0.53		ug/m ³	0.44	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-71-8	Dichlorodifluoromethane	1.7		ug/m ³	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.92	1.272	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 07:55	AS
100-41-4	Ethyl Benzene	17		ug/m ³	0.55	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
67-63-0	Isopropanol	ND		ug/m ³	0.63	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS



Sample Information

Client Sample ID: LSV-7

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19A1323

100646801

Soil Vapor

January 31, 2019 9:12 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.46	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-09-2	Methylene chloride	0.88		ug/m ³	0.88	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
142-82-5	n-Heptane	2.3		ug/m ³	0.52	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
110-54-3	n-Hexane	4.7		ug/m ³	0.45	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
95-47-6	o-Xylene	18		ug/m ³	0.55	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
179601-23-1	p- & m- Xylenes	66		ug/m ³	1.1	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
622-96-8	* p-Ethyltoluene	5.6		ug/m ³	0.63	1.272	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 07:55	AS
115-07-1	* Propylene	2.1		ug/m ³	0.22	1.272	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 07:55	AS
100-42-5	Styrene	ND		ug/m ³	0.54	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
127-18-4	Tetrachloroethylene	33		ug/m ³	0.22	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
109-99-9	* Tetrahydrofuran	1.1		ug/m ³	0.75	1.272	EPA TO-15 Certifications:	02/05/2019 09:00	02/06/2019 07:55	AS
108-88-3	Toluene	8.3		ug/m ³	0.48	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.50	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.58	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.17	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m ³	0.71	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.45	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.56	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.081	1.272	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/05/2019 09:00	02/06/2019 07:55	AS

Surrogate Recoveries	Result	Acceptance Range
460-00-4 <i>Surrogate: SURR: p-Bromofluorobenzene</i>	100 %	70-130



Sample Information

Client Sample ID: LSV-2

York Sample ID: 19A1323-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 9:48 am

01/31/2019

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	2.0	2.882	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 02:44	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.6	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.0	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.6	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.29	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.1	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
95-63-6	1,2,4-Trimethylbenzene	3.1		ug/m ³	1.4	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.7	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.3	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.0	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
108-67-8	1,3,5-Trimethylbenzene	1.6		ug/m ³	1.4	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.9	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.7	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.3	2.882	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 02:44	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.7	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	2.1	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
78-93-3	2-Butanone	230		ug/m ³	0.85	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
591-78-6	* 2-Hexanone	33		ug/m ³	2.4	2.882	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 02:44	AS
107-05-1	3-Chloropropene	ND		ug/m ³	4.5	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS



Sample Information

Client Sample ID: LSV-2

York Sample ID: 19A1323-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 9:48 am

01/31/2019

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	1.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
67-64-1	Acetone	23		ug/m ³	1.4	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.63	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
71-43-2	Benzene	1.4		ug/m ³	0.92	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
100-44-7	Benzyl chloride	ND		ug/m ³	1.5	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.9	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-25-2	Bromoform	ND		ug/m ³	3.0	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
74-83-9	Bromomethane	ND		ug/m ³	1.1	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-15-0	Carbon disulfide	1.9		ug/m ³	0.90	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.45	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
108-90-7	Chlorobenzene	ND		ug/m ³	1.3	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-00-3	Chloroethane	ND		ug/m ³	0.76	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
67-66-3	Chloroform	1.4		ug/m ³	1.4	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
74-87-3	Chloromethane	ND		ug/m ³	0.60	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.29	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.3	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.99	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	2.5	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-71-8	Dichlorodifluoromethane	2.0		ug/m ³	1.4	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	2.1	2.882	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 02:44	AS
100-41-4	Ethyl Benzene	17		ug/m ³	1.3	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.1	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
67-63-0	Isopropanol	ND		ug/m ³	1.4	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS



Sample Information

Client Sample ID: LSV-2

York Sample ID: 19A1323-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 9:48 am

01/31/2019

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	1.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.0	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-09-2	Methylene chloride	ND		ug/m ³	2.0	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
142-82-5	n-Heptane	3.5		ug/m ³	1.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
110-54-3	n-Hexane	4.1		ug/m ³	1.0	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
95-47-6	o-Xylene	17		ug/m ³	1.3	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
179601-23-1	p- & m- Xylenes	65		ug/m ³	2.5	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
622-96-8	* p-Ethyltoluene	4.8		ug/m ³	1.4	2.882	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 02:44	AS
115-07-1	* Propylene	8.6		ug/m ³	0.50	2.882	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 02:44	AS
100-42-5	Styrene	ND		ug/m ³	1.2	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
127-18-4	Tetrachloroethylene	18		ug/m ³	0.49	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.7	2.882	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 02:44	AS
108-88-3	Toluene	8.9		ug/m ³	1.1	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.1	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.3	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
79-01-6	Trichloroethylene	0.46		ug/m ³	0.39	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.6	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
108-05-4	Vinyl acetate	ND		ug/m ³	1.0	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
593-60-2	Vinyl bromide	ND		ug/m ³	1.3	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.18	2.882	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 02:44	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %		70-130						



Sample Information

Client Sample ID: LSV-9

York Sample ID: 19A1323-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 10:15 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.89	1.297	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 13:09	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.71	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.89	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.99	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.71	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.52	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.13	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.96	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
95-63-6	1,2,4-Trimethylbenzene	1.7		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.0	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.78	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.52	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.60	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.91	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.86	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.78	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.60	1.297	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 13:09	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.78	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.93	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
78-93-3	2-Butanone	54		ug/m ³	0.38	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
591-78-6	* 2-Hexanone	12		ug/m ³	1.1	1.297	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 13:09	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.0	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS



Sample Information

Client Sample ID: LSV-9

York Sample ID: 19A1323-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 10:15 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	1.1		ug/m ³	0.53	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
67-64-1	Acetone	9.1		ug/m ³	0.62	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.28	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
71-43-2	Benzene	1.2		ug/m ³	0.41	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.67	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.87	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-25-2	Bromoform	ND		ug/m ³	1.3	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
74-83-9	Bromomethane	ND		ug/m ³	0.50	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-15-0	Carbon disulfide	6.1		ug/m ³	0.40	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.20	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.60	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-00-3	Chloroethane	ND		ug/m ³	0.34	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
67-66-3	Chloroform	0.63		ug/m ³	0.63	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
74-87-3	Chloromethane	ND		ug/m ³	0.27	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.13	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.45	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-71-8	Dichlorodifluoromethane	1.5		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.93	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
100-41-4	Ethyl Benzene	5.0		ug/m ³	0.56	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
67-63-0	Isopropanol	ND		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS



Sample Information

Client Sample ID: LSV-9

York Sample ID: 19A1323-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 10:15 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	1.1		ug/m ³	0.53	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.47	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-09-2	Methylene chloride	1.7		ug/m ³	0.90	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
142-82-5	n-Heptane	1.5		ug/m ³	0.53	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
110-54-3	n-Hexane	1.2		ug/m ³	0.46	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
95-47-6	o-Xylene	5.4		ug/m ³	0.56	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
179601-23-1	p- & m- Xylenes	21		ug/m ³	1.1	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
622-96-8	* p-Ethyltoluene	1.8		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
115-07-1	* Propylene	4.6		ug/m ³	0.22	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
100-42-5	Styrene	ND		ug/m ³	0.55	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
127-18-4	Tetrachloroethylene	14		ug/m ³	0.22	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.77	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
108-88-3	Toluene	4.9		ug/m ³	0.49	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.51	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.17	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.73	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.46	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.57	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.083	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 13:09	AS

Surrogate Recoveries	Result	Acceptance Range
460-00-4 Surrogate: SURR: p-Bromofluorobenzene	96.2 %	70-130



Sample Information

Client Sample ID: LSV-4

York Sample ID: 19A1323-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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19A1323

100646801

Soil Vapor

January 31, 2019 10:41 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.87	1.268	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 17:29	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.69	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.87	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.97	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.69	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.51	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.13	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.94	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
95-63-6	1,2,4-Trimethylbenzene	1.2		ug/m ³	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.97	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.76	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.51	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.59	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.89	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.84	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.76	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.59	1.268	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 17:29	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.76	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.91	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
78-93-3	2-Butanone	100		ug/m ³	0.37	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
591-78-6	* 2-Hexanone	15		ug/m ³	1.0	1.268	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 17:29	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.0	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS



Sample Information

Client Sample ID: LSV-4

York Sample ID: 19A1323-05

York Project (SDG) No.

Client Project ID

Matrix

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19A1323

100646801

Soil Vapor

January 31, 2019 10:41 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.73		ug/m ³	0.52	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
67-64-1	Acetone	15		ug/m ³	0.60	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.28	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
71-43-2	Benzene	0.93		ug/m ³	0.41	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.66	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.85	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-25-2	Bromoform	ND		ug/m ³	1.3	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
74-83-9	Bromomethane	ND		ug/m ³	0.49	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.39	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
56-23-5	Carbon tetrachloride	0.40		ug/m ³	0.20	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.58	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-00-3	Chloroethane	ND		ug/m ³	0.33	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
67-66-3	Chloroform	6.7		ug/m ³	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
74-87-3	Chloromethane	0.55		ug/m ³	0.26	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.13	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.58	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.44	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-71-8	Dichlorodifluoromethane	1.4		ug/m ³	0.63	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
141-78-6	* Ethyl acetate	1.2		ug/m ³	0.91	1.268	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 17:29	AS
100-41-4	Ethyl Benzene	5.6		ug/m ³	0.55	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
67-63-0	Isopropanol	2.9		ug/m ³	0.62	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS



Sample Information

Client Sample ID: LSV-4

York Sample ID: 19A1323-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 10:41 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.52	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.46	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-09-2	Methylene chloride	2.5		ug/m ³	0.88	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
142-82-5	n-Heptane	1.2		ug/m ³	0.52	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
110-54-3	n-Hexane	2.3		ug/m ³	0.45	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
95-47-6	o-Xylene	5.1		ug/m ³	0.55	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
179601-23-1	p- & m- Xylenes	21		ug/m ³	1.1	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
622-96-8	* p-Ethyltoluene	1.5		ug/m ³	0.62	1.268	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 17:29	AS
115-07-1	* Propylene	6.9		ug/m ³	0.22	1.268	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 17:29	AS
100-42-5	Styrene	ND		ug/m ³	0.54	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
127-18-4	Tetrachloroethylene	19		ug/m ³	0.22	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.75	1.268	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 17:29	AS
108-88-3	Toluene	8.1		ug/m ³	0.48	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.50	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.58	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.17	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.71	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.45	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.55	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.081	1.268	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 17:29	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.6 %		70-130						



Sample Information

Client Sample ID: LSV-5

York Sample ID: 19A1323-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 11:17 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.94	1.372	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 14:15	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.75	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.94	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.75	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.14	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.0	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
95-63-6	1,2,4-Trimethylbenzene	2.1		ug/m ³	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.82	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.63	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.96	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
108-67-8	1,3,5-Trimethylbenzene	0.74		ug/m ³	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.91	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.82	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.63	1.372	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 14:15	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.82	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.99	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
78-93-3	2-Butanone	78		ug/m ³	0.40	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
591-78-6	* 2-Hexanone	14		ug/m ³	1.1	1.372	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 14:15	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.1	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS



Sample Information

Client Sample ID: LSV-5

York Sample ID: 19A1323-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 11:17 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
67-64-1	Acetone	12		ug/m ³	0.65	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.30	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
71-43-2	Benzene	ND		ug/m ³	0.44	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.71	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.92	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-25-2	Bromoform	ND		ug/m ³	1.4	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
74-83-9	Bromomethane	ND		ug/m ³	0.53	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.43	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.22	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.63	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-00-3	Chloroethane	ND		ug/m ³	0.36	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
67-66-3	Chloroform	1.1		ug/m ³	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
74-87-3	Chloromethane	ND		ug/m ³	0.28	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.14	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.62	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.47	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-71-8	Dichlorodifluoromethane	1.9		ug/m ³	0.68	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.99	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
100-41-4	Ethyl Benzene	7.4		ug/m ³	0.60	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.5	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
67-63-0	Isopropanol	ND		ug/m ³	0.67	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS



Sample Information

Client Sample ID: LSV-5

York Sample ID: 19A1323-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 11:17 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.49	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-09-2	Methylene chloride	ND		ug/m ³	0.95	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
142-82-5	n-Heptane	2.7		ug/m ³	0.56	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
110-54-3	n-Hexane	2.7		ug/m ³	0.48	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
95-47-6	o-Xylene	7.3		ug/m ³	0.60	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
179601-23-1	p- & m- Xylenes	31		ug/m ³	1.2	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
622-96-8	* p-Ethyltoluene	2.8		ug/m ³	0.67	1.372	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 14:15	AS
115-07-1	* Propylene	5.9		ug/m ³	0.24	1.372	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 14:15	AS
100-42-5	Styrene	ND		ug/m ³	0.58	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
127-18-4	Tetrachloroethylene	37		ug/m ³	0.23	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
109-99-9	* Tetrahydrofuran	1.2		ug/m ³	0.81	1.372	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 14:15	AS
108-88-3	Toluene	5.0		ug/m ³	0.52	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.54	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.62	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.18	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.77	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.48	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.60	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.088	1.372	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 14:15	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %		70-130						



Sample Information

Client Sample ID: LSV-8

York Sample ID: 19A1323-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 11:00 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.89	1.297	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 15:20	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.71	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.89	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.99	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.71	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.52	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.13	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.96	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
95-63-6	1,2,4-Trimethylbenzene	2.2		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.0	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.78	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.52	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.60	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.91	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
108-67-8	1,3,5-Trimethylbenzene	0.70		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.86	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.78	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.60	1.297	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 15:20	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.78	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.93	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
78-93-3	2-Butanone	59		ug/m ³	0.38	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
591-78-6	* 2-Hexanone	11		ug/m ³	1.1	1.297	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 15:20	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.0	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS



Sample Information

Client Sample ID: LSV-8

York Sample ID: 19A1323-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 11:00 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.53	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
67-64-1	Acetone	6.6		ug/m ³	0.62	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.28	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
71-43-2	Benzene	0.41		ug/m ³	0.41	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.67	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.87	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-25-2	Bromoform	ND		ug/m ³	1.3	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
74-83-9	Bromomethane	ND		ug/m ³	0.50	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.40	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.20	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.60	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-00-3	Chloroethane	ND		ug/m ³	0.34	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
67-66-3	Chloroform	0.95		ug/m ³	0.63	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
74-87-3	Chloromethane	ND		ug/m ³	0.27	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.13	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.45	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-71-8	Dichlorodifluoromethane	4.6		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.93	1.297	EPA TO-15 Certifications:	02/06/2019 09:00	02/07/2019 15:20	AS
100-41-4	Ethyl Benzene	6.5		ug/m ³	0.56	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
67-63-0	Isopropanol	ND		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS



Sample Information

Client Sample ID: LSV-8

York Sample ID: 19A1323-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 11:00 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.53	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.47	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-09-2	Methylene chloride	ND		ug/m ³	0.90	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
142-82-5	n-Heptane	ND		ug/m ³	0.53	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
110-54-3	n-Hexane	0.82		ug/m ³	0.46	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
95-47-6	o-Xylene	6.5		ug/m ³	0.56	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
179601-23-1	p- & m- Xylenes	27		ug/m ³	1.1	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
622-96-8	* p-Ethyltoluene	2.7		ug/m ³	0.64	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
115-07-1	* Propylene	3.9		ug/m ³	0.22	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
100-42-5	Styrene	ND		ug/m ³	0.55	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
127-18-4	Tetrachloroethylene	54		ug/m ³	0.22	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
109-99-9	* Tetrahydrofuran	0.88		ug/m ³	0.77	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
108-88-3	Toluene	3.2		ug/m ³	0.49	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.51	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.17	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.73	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.46	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.57	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.083	1.297	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/06/2019 09:00	02/07/2019 15:20	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.1 %		70-130						



Sample Information

Client Sample ID: SV-Dup-1

York Sample ID: 19A1323-08

<u>York Project (SDG) No.</u> 19A1323	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> January 31, 2019 10:15 am	<u>Date Received</u> 01/31/2019
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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.97	1.42	EPA TO-15 Certifications:	02/07/2019 09:00	02/08/2019 00:59	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.77	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.97	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.77	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.57	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.14	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
95-63-6	1,2,4-Trimethylbenzene	2.0		ug/m ³	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.85	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.57	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.66	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.99	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
108-67-8	1,3,5-Trimethylbenzene	0.77		ug/m ³	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.94	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.85	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.66	1.42	EPA TO-15 Certifications:	02/07/2019 09:00	02/08/2019 00:59	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.85	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.0	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
78-93-3	2-Butanone	55		ug/m ³	0.42	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
591-78-6	* 2-Hexanone	9.2		ug/m ³	1.2	1.42	EPA TO-15 Certifications:	02/07/2019 09:00	02/08/2019 00:59	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.2	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS



Sample Information

Client Sample ID: SV-Dup-1

York Sample ID: 19A1323-08

<u>York Project (SDG) No.</u> 19A1323	<u>Client Project ID</u> 100646801	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> January 31, 2019 10:15 am	<u>Date Received</u> 01/31/2019
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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.58	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
67-64-1	Acetone	9.3		ug/m ³	0.67	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.31	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
71-43-2	Benzene	1.2		ug/m ³	0.45	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.74	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.95	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-25-2	Bromoform	ND		ug/m ³	1.5	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
74-83-9	Bromomethane	ND		ug/m ³	0.55	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-15-0	Carbon disulfide	6.4		ug/m ³	0.44	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.22	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.65	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-00-3	Chloroethane	ND		ug/m ³	0.37	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
67-66-3	Chloroform	ND		ug/m ³	0.69	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
74-87-3	Chloromethane	ND		ug/m ³	0.29	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.14	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.64	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.49	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-71-8	Dichlorodifluoromethane	1.7		ug/m ³	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.0	1.42	EPA TO-15 Certifications:	02/07/2019 09:00	02/08/2019 00:59	AS
100-41-4	Ethyl Benzene	5.7		ug/m ³	0.62	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.5	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
67-63-0	Isopropanol	ND		ug/m ³	0.70	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS



Sample Information

Client Sample ID: SV-Dup-1

York Sample ID: 19A1323-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A1323

100646801

Soil Vapor

January 31, 2019 10:15 am

01/31/2019

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

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	0.58	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.51	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-09-2	Methylene chloride	ND		ug/m ³	0.99	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
142-82-5	n-Heptane	1.5		ug/m ³	0.58	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
110-54-3	n-Hexane	1.2		ug/m ³	0.50	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
95-47-6	o-Xylene	6.3		ug/m ³	0.62	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
179601-23-1	p- & m- Xylenes	24		ug/m ³	1.2	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
622-96-8	* p-Ethyltoluene	2.4		ug/m ³	0.70	1.42	EPA TO-15 Certifications:	02/07/2019 09:00	02/08/2019 00:59	AS
115-07-1	* Propylene	4.7		ug/m ³	0.24	1.42	EPA TO-15 Certifications:	02/07/2019 09:00	02/08/2019 00:59	AS
100-42-5	Styrene	ND		ug/m ³	0.60	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
127-18-4	Tetrachloroethylene	15		ug/m ³	0.24	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.84	1.42	EPA TO-15 Certifications:	02/07/2019 09:00	02/08/2019 00:59	AS
108-88-3	Toluene	4.5		ug/m ³	0.54	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.56	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.64	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
79-01-6	Trichloroethylene	ND		ug/m ³	0.19	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.80	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.50	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.62	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.091	1.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/07/2019 09:00	02/08/2019 00:59	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.5 %		70-130						



Analytical Batch Summary

Batch ID: BB90194 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
19A1323-01	LSV-6	02/05/19
19A1323-02	LSV-7	02/05/19
BB90194-BLK1	Blank	02/05/19
BB90194-BS1	LCS	02/05/19
BB90194-DUP1	Duplicate	02/05/19

Batch ID: BB90325 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
19A1323-03	LSV-2	02/06/19
19A1323-04	LSV-9	02/06/19
19A1323-05	LSV-4	02/06/19
19A1323-06	LSV-5	02/06/19
19A1323-07	LSV-8	02/06/19
BB90325-BLK1	Blank	02/06/19
BB90325-BS1	LCS	02/06/19
BB90325-DUP1	Duplicate	02/06/19

Batch ID: BB90398 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
19A1323-08	SV-Dup-1	02/07/19
BB90398-BLK1	Blank	02/07/19
BB90398-BS1	LCS	02/07/19
BB90398-DUP1	Duplicate	02/07/19



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 BB90194 - EPA TO15 PREP

Blank (BB90194-BLK1)

Prepared & Analyzed: 02/05/2019

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 Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit

Batch BB90194 - EPA TO15 PREP

Blank (BB90194-BLK1)

Prepared & Analyzed: 02/05/2019

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	"							

Surrogate: SURR: p-Bromofluorobenzene 9.26 ppbv 10.0 92.6 70-130

LCS (BB90194-BS1)

Prepared & Analyzed: 02/05/2019

1,1,1,2-Tetrachloroethane	10.2		ppbv	10.0		102	70-130			
1,1,1-Trichloroethane	10.7		"	10.0		107	70-130			
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.93		"	10.0		99.3	70-130			
1,1,2-Trichloroethane	9.72		"	10.0		97.2	70-130			
1,1-Dichloroethane	9.92		"	10.0		99.2	70-130			
1,1-Dichloroethylene	9.40		"	10.0		94.0	70-130			
1,2,4-Trichlorobenzene	7.85		"	10.0		78.5	70-130			
1,2,4-Trimethylbenzene	11.0		"	10.0		110	70-130			
1,2-Dibromoethane	10.5		"	10.0		105	70-130			
1,2-Dichlorobenzene	11.2		"	10.0		112	70-130			
1,2-Dichloroethane	9.73		"	10.0		97.3	70-130			
1,2-Dichloropropane	9.68		"	10.0		96.8	70-130			
1,2-Dichlorotetrafluoroethane	8.58		"	10.0		85.8	70-130			
1,3,5-Trimethylbenzene	10.7		"	10.0		107	70-130			
1,3-Butadiene	10.2		"	10.0		102	70-130			
1,3-Dichlorobenzene	11.4		"	10.0		114	70-130			
1,3-Dichloropropane	9.78		"	10.0		97.8	70-130			
1,4-Dichlorobenzene	11.6		"	10.0		116	70-130			
1,4-Dioxane	9.41		"	10.0		94.1	70-130			
2-Butanone	10.0		"	10.0		100	70-130			
2-Hexanone	9.88		"	10.0		98.8	70-130			
3-Chloropropene	10.0		"	10.0		100	70-130			
4-Methyl-2-pentanone	9.87		"	10.0		98.7	70-130			
Acetone	9.26		"	10.0		92.6	70-130			
Acrylonitrile	10.1		"	10.0		101	70-130			
Benzene	9.84		"	10.0		98.4	70-130			
Benzyl chloride	9.13		"	10.0		91.3	70-130			
Bromodichloromethane	9.94		"	10.0		99.4	70-130			
Bromoform	11.6		"	10.0		116	70-130			
Bromomethane	10.4		"	10.0		104	70-130			
Carbon disulfide	10.4		"	10.0		104	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 BB90194 - EPA TO15 PREP

LCS (BB90194-BS1)

Prepared & Analyzed: 02/05/2019

Carbon tetrachloride	10.0		ppbv	10.0		100		70-130					
Chlorobenzene	10.3		"	10.0		103		70-130					
Chloroethane	10.0		"	10.0		100		70-130					
Chloroform	10.2		"	10.0		102		70-130					
Chloromethane	9.91		"	10.0		99.1		70-130					
cis-1,2-Dichloroethylene	9.09		"	10.0		90.9		70-130					
cis-1,3-Dichloropropylene	10.9		"	10.0		109		70-130					
Cyclohexane	10.4		"	10.0		104		70-130					
Dibromochloromethane	10.3		"	10.0		103		70-130					
Dichlorodifluoromethane	9.95		"	10.0		99.5		70-130					
Ethyl acetate	10.7		"	10.0		107		70-130					
Ethyl Benzene	10.3		"	10.0		103		70-130					
Hexachlorobutadiene	11.0		"	10.0		110		70-130					
Isopropanol	9.80		"	10.0		98.0		70-130					
Methyl Methacrylate	10.5		"	10.0		105		70-130					
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106		70-130					
Methylene chloride	9.28		"	10.0		92.8		70-130					
n-Heptane	10.2		"	10.0		102		70-130					
n-Hexane	10.3		"	10.0		103		70-130					
o-Xylene	11.0		"	10.0		110		70-130					
p- & m- Xylenes	21.2		"	20.0		106		70-130					
p-Ethyltoluene	11.7		"	10.0		117		70-130					
Propylene	8.81		"	10.0		88.1		70-130					
Styrene	11.6		"	10.0		116		70-130					
Tetrachloroethylene	9.81		"	10.0		98.1		70-130					
Tetrahydrofuran	9.94		"	10.0		99.4		70-130					
Toluene	10.0		"	10.0		100		70-130					
trans-1,2-Dichloroethylene	10.3		"	10.0		103		70-130					
trans-1,3-Dichloropropylene	10.4		"	10.0		104		70-130					
Trichloroethylene	9.78		"	10.0		97.8		70-130					
Trichlorofluoromethane (Freon 11)	10.1		"	10.0		101		70-130					
Vinyl acetate	10.6		"	10.0		106		70-130					
Vinyl bromide	10.6		"	10.0		106		70-130					
Vinyl Chloride	9.66		"	10.0		96.6		70-130					
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108		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 BB90194 - EPA TO15 PREP

Duplicate (BB90194-DUP1)

*Source sample: 19A1323-02 (LSV-7)

Prepared: 02/05/2019 Analyzed: 02/06/2019

1,1,1,2-Tetrachloroethane	ND	0.87	ug/m ³		ND						25
1,1,1-Trichloroethane	ND	0.69	"		ND						25
1,1,2,2-Tetrachloroethane	ND	0.87	"		ND						25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.97	"		ND						25
1,1,2-Trichloroethane	ND	0.69	"		ND						25
1,1-Dichloroethane	ND	0.51	"		ND						25
1,1-Dichloroethylene	ND	0.13	"		ND						25
1,2,4-Trichlorobenzene	ND	0.94	"		ND						25
1,2,4-Trimethylbenzene	4.3	0.63	"		4.1				4.51		25
1,2-Dibromoethane	ND	0.98	"		ND						25
1,2-Dichlorobenzene	ND	0.76	"		ND						25
1,2-Dichloroethane	ND	0.51	"		ND						25
1,2-Dichloropropane	ND	0.59	"		ND						25
1,2-Dichlorotetrafluoroethane	ND	0.89	"		ND						25
1,3,5-Trimethylbenzene	1.3	0.63	"		1.4				4.65		25
1,3-Butadiene	ND	0.84	"		ND						25
1,3-Dichlorobenzene	ND	0.76	"		ND						25
1,3-Dichloropropane	ND	0.59	"		ND						25
1,4-Dichlorobenzene	ND	0.76	"		ND						25
1,4-Dioxane	ND	0.92	"		ND						25
2-Butanone	120	0.38	"		120				0.668		25
2-Hexanone	30	1.0	"		30				0.173		25
3-Chloropropene	ND	2.0	"		ND						25
4-Methyl-2-pentanone	ND	0.52	"		ND						25
Acetone	11	0.60	"		10				2.85		25
Acrylonitrile	ND	0.28	"		ND						25
Benzene	0.98	0.41	"		0.93				4.26		25
Benzyl chloride	ND	0.66	"		ND						25
Bromodichloromethane	ND	0.85	"		ND						25
Bromoform	ND	1.3	"		ND						25
Bromomethane	ND	0.49	"		ND						25
Carbon disulfide	ND	0.40	"		ND						25
Carbon tetrachloride	ND	0.20	"		ND						25
Chlorobenzene	ND	0.59	"		ND						25
Chloroethane	ND	0.34	"		ND						25
Chloroform	ND	0.62	"		ND						25
Chloromethane	ND	0.26	"		ND						25
cis-1,2-Dichloroethylene	ND	0.13	"		ND						25
cis-1,3-Dichloropropylene	ND	0.58	"		ND						25
Cyclohexane	0.61	0.44	"		0.53				15.4		25
Dibromochloromethane	ND	1.1	"		ND						25
Dichlorodifluoromethane	1.7	0.63	"		1.7				0.00		25
Ethyl acetate	ND	0.92	"		ND						25
Ethyl Benzene	17	0.55	"		17				1.61		25
Hexachlorobutadiene	ND	1.4	"		ND						25
Isopropanol	ND	0.63	"		ND						25
Methyl Methacrylate	ND	0.52	"		ND						25
Methyl tert-butyl ether (MTBE)	ND	0.46	"		ND						25
Methylene chloride	0.93	0.88	"		0.88				4.88		25
n-Heptane	2.4	0.52	"		2.3				2.20		25
n-Hexane	4.9	0.45	"		4.7				4.65		25



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 BB90194 - EPA TO15 PREP

Duplicate (BB90194-DUP1)	*Source sample: 19A1323-02 (LSV-7)				Prepared: 02/05/2019 Analyzed: 02/06/2019						
o-Xylene	18	0.55	ug/m ³	18					0.925	25	
p- & m- Xylenes	67	1.1	"	66					1.08	25	
p-Ethyltoluene	5.7	0.63	"	5.6					1.10	25	
Propylene	2.2	0.22	"	2.1					5.18	25	
Styrene	ND	0.54	"	ND						25	
Tetrachloroethylene	34	0.22	"	33					1.79	25	
Tetrahydrofuran	1.2	0.75	"	1.1					13.3	25	
Toluene	8.8	0.48	"	8.3					5.04	25	
trans-1,2-Dichloroethylene	ND	0.50	"	ND						25	
trans-1,3-Dichloropropylene	ND	0.58	"	ND						25	
Trichloroethylene	ND	0.17	"	ND						25	
Trichlorofluoromethane (Freon 11)	1.8	0.71	"	1.7					4.08	25	
Vinyl acetate	ND	0.45	"	ND						25	
Vinyl bromide	ND	0.56	"	ND						25	
Vinyl Chloride	ND	0.081	"	ND						25	
Surrogate: SURR: p-Bromofluorobenzene	10.1		ppbv	10.0			101		70-130		

Batch BB90325 - EPA TO15 PREP

Blank (BB90325-BLK1)	Prepared & Analyzed: 02/06/2019										
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	"								



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 BB90325 - EPA TO15 PREP

Blank (BB90325-BLK1)

Prepared & Analyzed: 02/06/2019

Carbon disulfide	ND	0.31	ug/m ³								
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	"								
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	"								

Surrogate: SURR: p-Bromofluorobenzene 9.18 ppbv 10.0 91.8 70-130



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

York Analytical Laboratories, Inc.

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

Batch BB90325 - EPA TO15 PREP

LCS (BB90325-BS1)

Prepared & Analyzed: 02/06/2019

1,1,1,2-Tetrachloroethane	10.7		ppbv	10.0		107	70-130				
1,1,1-Trichloroethane	11.0		"	10.0		110	70-130				
1,1,2,2-Tetrachloroethane	11.1		"	10.0		111	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-130				
1,1,2-Trichloroethane	10.4		"	10.0		104	70-130				
1,1-Dichloroethane	10.5		"	10.0		105	70-130				
1,1-Dichloroethylene	9.74		"	10.0		97.4	70-130				
1,2,4-Trichlorobenzene	8.08		"	10.0		80.8	70-130				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,2-Dibromoethane	11.1		"	10.0		111	70-130				
1,2-Dichlorobenzene	11.8		"	10.0		118	70-130				
1,2-Dichloroethane	10.1		"	10.0		101	70-130				
1,2-Dichloropropane	10.4		"	10.0		104	70-130				
1,2-Dichlorotetrafluoroethane	8.06		"	10.0		80.6	70-130				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	70-130				
1,3-Butadiene	11.3		"	10.0		113	70-130				
1,3-Dichlorobenzene	12.0		"	10.0		120	70-130				
1,3-Dichloropropane	10.4		"	10.0		104	70-130				
1,4-Dichlorobenzene	12.3		"	10.0		123	70-130				
1,4-Dioxane	9.87		"	10.0		98.7	70-130				
2-Butanone	10.5		"	10.0		105	70-130				
2-Hexanone	10.5		"	10.0		105	70-130				
3-Chloropropene	10.7		"	10.0		107	70-130				
4-Methyl-2-pentanone	10.5		"	10.0		105	70-130				
Acetone	9.66		"	10.0		96.6	70-130				
Acrylonitrile	10.7		"	10.0		107	70-130				
Benzene	10.3		"	10.0		103	70-130				
Benzyl chloride	9.67		"	10.0		96.7	70-130				
Bromodichloromethane	10.5		"	10.0		105	70-130				
Bromoform	12.2		"	10.0		122	70-130				
Bromomethane	10.6		"	10.0		106	70-130				
Carbon disulfide	11.0		"	10.0		110	70-130				
Carbon tetrachloride	10.3		"	10.0		103	70-130				
Chlorobenzene	10.9		"	10.0		109	70-130				
Chloroethane	10.7		"	10.0		107	70-130				
Chloroform	10.5		"	10.0		105	70-130				
Chloromethane	10.7		"	10.0		107	70-130				
cis-1,2-Dichloroethylene	9.35		"	10.0		93.5	70-130				
cis-1,3-Dichloropropylene	11.6		"	10.0		116	70-130				
Cyclohexane	10.9		"	10.0		109	70-130				
Dibromochloromethane	10.8		"	10.0		108	70-130				
Dichlorodifluoromethane	10.3		"	10.0		103	70-130				
Ethyl acetate	11.3		"	10.0		113	70-130				
Ethyl Benzene	11.0		"	10.0		110	70-130				
Hexachlorobutadiene	11.6		"	10.0		116	70-130				
Isopropanol	10.2		"	10.0		102	70-130				
Methyl Methacrylate	11.1		"	10.0		111	70-130				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130				
Methylene chloride	9.83		"	10.0		98.3	70-130				
n-Heptane	10.6		"	10.0		106	70-130				
n-Hexane	10.8		"	10.0		108	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 BB90325 - EPA TO15 PREP

LCS (BB90325-BS1)

Prepared & Analyzed: 02/06/2019

o-Xylene	11.7		ppbv	10.0		117	70-130				
p- & m- Xylenes	22.5		"	20.0		112	70-130				
p-Ethyltoluene	12.3		"	10.0		123	70-130				
Propylene	9.29		"	10.0		92.9	70-130				
Styrene	12.3		"	10.0		123	70-130				
Tetrachloroethylene	10.3		"	10.0		103	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	10.6		"	10.0		106	70-130				
trans-1,2-Dichloroethylene	10.9		"	10.0		109	70-130				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	70-130				
Trichloroethylene	10.3		"	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	10.4		"	10.0		104	70-130				
Vinyl acetate	11.2		"	10.0		112	70-130				
Vinyl bromide	10.8		"	10.0		108	70-130				
Vinyl Chloride	10.5		"	10.0		105	70-130				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	70-130				

Duplicate (BB90325-DUP1)

*Source sample: 19A1323-08 (SV-Dup-1)

Prepared: 02/06/2019 Analyzed: 02/07/2019

1,1,1,2-Tetrachloroethane	ND	0.97	ug/m ³		ND						25
1,1,1-Trichloroethane	ND	0.77	"		ND						25
1,1,2,2-Tetrachloroethane	ND	0.97	"		ND						25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.1	"		ND						25
1,1,2-Trichloroethane	ND	0.77	"		ND						25
1,1-Dichloroethane	ND	0.57	"		ND						25
1,1-Dichloroethylene	ND	0.14	"		ND						25
1,2,4-Trichlorobenzene	ND	1.1	"		ND						25
1,2,4-Trimethylbenzene	1.8	0.70	"		2.0				7.41		25
1,2-Dibromoethane	ND	1.1	"		ND						25
1,2-Dichlorobenzene	ND	0.85	"		ND						25
1,2-Dichloroethane	ND	0.57	"		ND						25
1,2-Dichloropropane	ND	0.66	"		ND						25
1,2-Dichlorotetrafluoroethane	ND	0.99	"		ND						25
1,3,5-Trimethylbenzene	ND	0.70	"		0.77						25
1,3-Butadiene	ND	0.94	"		ND						25
1,3-Dichlorobenzene	ND	0.85	"		ND						25
1,3-Dichloropropane	ND	0.66	"		ND						25
1,4-Dichlorobenzene	ND	0.85	"		ND						25
1,4-Dioxane	ND	1.0	"		ND						25
2-Butanone	55	0.42	"		55					1.14	25
2-Hexanone	9.0	1.2	"		9.2					2.56	25
3-Chloropropene	ND	2.2	"		ND						25
4-Methyl-2-pentanone	ND	0.58	"		ND						25
Acetone	9.0	0.67	"		9.3					3.30	25
Acrylonitrile	ND	0.31	"		ND						25
Benzene	1.1	0.45	"		1.2					3.92	25
Benzyl chloride	ND	0.74	"		ND						25
Bromodichloromethane	ND	0.95	"		ND						25
Bromoform	ND	1.5	"		ND						25
Bromomethane	ND	0.55	"		ND						25
Carbon disulfide	6.2	0.44	"		6.4					2.82	25
Carbon tetrachloride	ND	0.22	"		ND						25



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 BB90325 - EPA TO15 PREP

Duplicate (BB90325-DUP1)	*Source sample: 19A1323-08 (SV-Dup-1)				Prepared: 02/06/2019 Analyzed: 02/07/2019						
Chlorobenzene	ND	0.65	ug/m ³		ND						25
Chloroethane	ND	0.37	"		ND						25
Chloroform	ND	0.69	"		ND						25
Chloromethane	ND	0.29	"		ND						25
cis-1,2-Dichloroethylene	ND	0.14	"		ND						25
cis-1,3-Dichloropropylene	ND	0.64	"		ND						25
Cyclohexane	ND	0.49	"		ND						25
Dibromochloromethane	ND	1.2	"		ND						25
Dichlorodifluoromethane	1.6	0.70	"		1.7				4.26		25
Ethyl acetate	ND	1.0	"		ND						25
Ethyl Benzene	5.5	0.62	"		5.7				2.20		25
Hexachlorobutadiene	ND	1.5	"		ND						25
Isopropanol	ND	0.70	"		ND						25
Methyl Methacrylate	ND	0.58	"		ND						25
Methyl tert-butyl ether (MTBE)	ND	0.51	"		ND						25
Methylene chloride	ND	0.99	"		ND						25
n-Heptane	1.5	0.58	"		1.5				0.00		25
n-Hexane	1.1	0.50	"		1.2				4.44		25
o-Xylene	6.1	0.62	"		6.3				2.99		25
p- & m- Xylenes	23	1.2	"		24				1.58		25
p-Ethyltoluene	2.3	0.70	"		2.4				2.99		25
Propylene	4.4	0.24	"		4.7				7.01		25
Styrene	ND	0.60	"		ND						25
Tetrachloroethylene	15	0.24	"		15				2.60		25
Tetrahydrofuran	ND	0.84	"		ND						25
Toluene	4.3	0.54	"		4.5				4.88		25
trans-1,2-Dichloroethylene	ND	0.56	"		ND						25
trans-1,3-Dichloropropylene	ND	0.64	"		ND						25
Trichloroethylene	ND	0.19	"		ND						25
Trichlorofluoromethane (Freon 11)	1.3	0.80	"		1.4				6.06		25
Vinyl acetate	ND	0.50	"		ND						25
Vinyl bromide	ND	0.62	"		ND						25
Vinyl Chloride	ND	0.091	"		ND						25
Surrogate: SURR: p-Bromofluorobenzene	9.62		ppbv	10.0		96.2	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	Limit	Flag
		Limit								RPD		

Batch BB90398 - EPA TO15 PREP

Blank (BB90398-BLK1)

Prepared & Analyzed: 02/07/2019

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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB90398 - EPA TO15 PREP

Blank (BB90398-BLK1)

Prepared & Analyzed: 02/07/2019

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	"								

Surrogate: SURR: p-Bromofluorobenzene	8.79		ppbv	10.0		87.9	70-130				
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LCS (BB90398-BS1)

Prepared & Analyzed: 02/07/2019

1,1,1,2-Tetrachloroethane	10.9		ppbv	10.0		109	70-130				
1,1,1-Trichloroethane	11.1		"	10.0		111	70-130				
1,1,2,2-Tetrachloroethane	11.5		"	10.0		115	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-130				
1,1,2-Trichloroethane	10.7		"	10.0		107	70-130				
1,1-Dichloroethane	10.7		"	10.0		107	70-130				
1,1-Dichloroethylene	9.92		"	10.0		99.2	70-130				
1,2,4-Trichlorobenzene	8.43		"	10.0		84.3	70-130				
1,2,4-Trimethylbenzene	11.9		"	10.0		119	70-130				
1,2-Dibromoethane	11.5		"	10.0		115	70-130				
1,2-Dichlorobenzene	12.1		"	10.0		121	70-130				
1,2-Dichloroethane	10.2		"	10.0		102	70-130				
1,2-Dichloropropane	10.8		"	10.0		108	70-130				
1,2-Dichlorotetrafluoroethane	8.29		"	10.0		82.9	70-130				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,3-Butadiene	11.4		"	10.0		114	70-130				
1,3-Dichlorobenzene	12.3		"	10.0		123	70-130				
1,3-Dichloropropane	10.8		"	10.0		108	70-130				
1,4-Dichlorobenzene	12.6		"	10.0		126	70-130				
1,4-Dioxane	10.2		"	10.0		102	70-130				
2-Butanone	10.4		"	10.0		104	70-130				
2-Hexanone	10.9		"	10.0		109	70-130				
3-Chloropropene	10.9		"	10.0		109	70-130				
4-Methyl-2-pentanone	10.9		"	10.0		109	70-130				
Acetone	9.81		"	10.0		98.1	70-130				
Acrylonitrile	11.0		"	10.0		110	70-130				
Benzene	10.5		"	10.0		105	70-130				
Benzyl chloride	9.97		"	10.0		99.7	70-130				
Bromodichloromethane	10.8		"	10.0		108	70-130				
Bromoform	12.4		"	10.0		124	70-130				
Bromomethane	8.53		"	10.0		85.3	70-130				
Carbon disulfide	11.2		"	10.0		112	70-130				
Carbon tetrachloride	10.3		"	10.0		103	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 BB90398 - EPA TO15 PREP

LCS (BB90398-BS1)

Prepared & Analyzed: 02/07/2019

Chlorobenzene	11.1		ppbv	10.0		111	70-130						
Chloroethane	10.7		"	10.0		107	70-130						
Chloroform	10.6		"	10.0		106	70-130						
Chloromethane	10.7		"	10.0		107	70-130						
cis-1,2-Dichloroethylene	9.48		"	10.0		94.8	70-130						
cis-1,3-Dichloropropylene	11.9		"	10.0		119	70-130						
Cyclohexane	11.2		"	10.0		112	70-130						
Dibromochloromethane	11.2		"	10.0		112	70-130						
Dichlorodifluoromethane	10.2		"	10.0		102	70-130						
Ethyl acetate	11.5		"	10.0		115	70-130						
Ethyl Benzene	11.2		"	10.0		112	70-130						
Hexachlorobutadiene	11.8		"	10.0		118	70-130						
Isopropanol	10.5		"	10.0		105	70-130						
Methyl Methacrylate	11.6		"	10.0		116	70-130						
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130						
Methylene chloride	9.99		"	10.0		99.9	70-130						
n-Heptane	10.8		"	10.0		108	70-130						
n-Hexane	11.0		"	10.0		110	70-130						
o-Xylene	11.9		"	10.0		119	70-130						
p- & m- Xylenes	23.0		"	20.0		115	70-130						
p-Ethyltoluene	12.7		"	10.0		127	70-130						
Propylene	9.12		"	10.0		91.2	70-130						
Styrene	12.5		"	10.0		125	70-130						
Tetrachloroethylene	10.6		"	10.0		106	70-130						
Tetrahydrofuran	10.9		"	10.0		109	70-130						
Toluene	11.1		"	10.0		111	70-130						
trans-1,2-Dichloroethylene	11.0		"	10.0		110	70-130						
trans-1,3-Dichloropropylene	11.3		"	10.0		113	70-130						
Trichloroethylene	10.6		"	10.0		106	70-130						
Trichlorofluoromethane (Freon 11)	10.5		"	10.0		105	70-130						
Vinyl acetate	11.4		"	10.0		114	70-130						
Vinyl bromide	11.1		"	10.0		111	70-130						
Vinyl Chloride	10.5		"	10.0		105	70-130						
Surrogate: Surr: p-Bromofluorobenzene	10.5		"	10.0		105	70-130						



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York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB90398 - EPA TO15 PREP											
Duplicate (BB90398-DUP1)		*Source sample: 19A1323-08 (SV-Dup-1)				Prepared: 02/07/2019 Analyzed: 02/08/2019					
1,1,1,2-Tetrachloroethane	ND	0.97	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.77	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.97	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.1	"		ND					25	
1,1,2-Trichloroethane	ND	0.77	"		ND					25	
1,1-Dichloroethane	ND	0.57	"		ND					25	
1,1-Dichloroethylene	ND	0.14	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	1.9	0.70	"		2.0				3.64	25	
1,2-Dibromoethane	ND	1.1	"		ND					25	
1,2-Dichlorobenzene	ND	0.85	"		ND					25	
1,2-Dichloroethane	ND	0.57	"		ND					25	
1,2-Dichloropropane	ND	0.66	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.99	"		ND					25	
1,3,5-Trimethylbenzene	0.70	0.70	"		0.77				9.52	25	
1,3-Butadiene	ND	0.94	"		ND					25	
1,3-Dichlorobenzene	ND	0.85	"		ND					25	
1,3-Dichloropropane	ND	0.66	"		ND					25	
1,4-Dichlorobenzene	ND	0.85	"		ND					25	
1,4-Dioxane	ND	1.0	"		ND					25	
2-Butanone	55	0.42	"		55				0.682	25	
2-Hexanone	9.1	1.2	"		9.2				0.635	25	
3-Chloropropene	ND	2.2	"		ND					25	
4-Methyl-2-pentanone	ND	0.58	"		ND					25	
Acetone	9.3	0.67	"		9.3				0.362	25	
Acrylonitrile	ND	0.31	"		ND					25	
Benzene	1.1	0.45	"		1.2				3.92	25	
Benzyl chloride	ND	0.74	"		ND					25	
Bromodichloromethane	ND	0.95	"		ND					25	
Bromoform	ND	1.5	"		ND					25	
Bromomethane	ND	0.55	"		ND					25	
Carbon disulfide	6.2	0.44	"		6.4				2.11	25	
Carbon tetrachloride	ND	0.22	"		ND					25	
Chlorobenzene	ND	0.65	"		ND					25	
Chloroethane	ND	0.37	"		ND					25	
Chloroform	ND	0.69	"		ND					25	
Chloromethane	ND	0.29	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.14	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.64	"		ND					25	
Cyclohexane	ND	0.49	"		ND					25	
Dibromochloromethane	ND	1.2	"		ND					25	
Dichlorodifluoromethane	1.6	0.70	"		1.7				4.26	25	
Ethyl acetate	ND	1.0	"		ND					25	
Ethyl Benzene	5.5	0.62	"		5.7				2.20	25	
Hexachlorobutadiene	ND	1.5	"		ND					25	
Isopropanol	ND	0.70	"		ND					25	
Methyl Methacrylate	0.58	0.58	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.51	"		ND					25	
Methylene chloride	ND	0.99	"		ND					25	
n-Heptane	1.5	0.58	"		1.5				0.00	25	
n-Hexane	1.1	0.50	"		1.2				4.44	25	



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

Batch BB90398 - EPA TO15 PREP

Duplicate (BB90398-DUP1)	*Source sample: 19A1323-08 (SV-Dup-1)				Prepared: 02/07/2019 Analyzed: 02/08/2019			
o-Xylene	6.2	0.62	ug/m ³	6.3			1.98	25
p- & m- Xylenes	23	1.2	"	24			1.85	25
p-Ethyltoluene	2.3	0.70	"	2.4			2.99	25
Propylene	4.6	0.24	"	4.7			1.05	25
Styrene	ND	0.60	"	ND				25
Tetrachloroethylene	15	0.24	"	15			3.26	25
Tetrahydrofuran	ND	0.84	"	ND				25
Toluene	4.2	0.54	"	4.5			6.13	25
trans-1,2-Dichloroethylene	ND	0.56	"	ND				25
trans-1,3-Dichloropropylene	ND	0.64	"	ND				25
Trichloroethylene	ND	0.19	"	ND				25
Trichlorofluoromethane (Freon 11)	1.3	0.80	"	1.4			6.06	25
Vinyl acetate	ND	0.50	"	ND				25
Vinyl bromide	ND	0.62	"	ND				25
Vinyl Chloride	ND	0.091	"	ND				25
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.66</i>		<i>ppbv</i>	<i>10.0</i>			<i>96.6</i>	<i>70-130</i>





Sample and Data Qualifiers Relating to This Work Order

TO-VAC The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

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.



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Field Chain-of-Custody Record - AIR

YORK Project No.
9A1323

Page 1 of 1

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.

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Langan Engineers	Company:	SAME	Company:	SAME	100646801		RUSH - Next Day	
Address:	300 Kimball Dr. Parsippany NJ	Address:		Address:		60 Norfolk		RUSH - Two Day	
Phone:	973-255-6222	Phone:	973-560-4900	Phone:	973-560-4900			RUSH - Three Day	
Contact:	Sam Haines	Contact:	Matthew Oleske	Contact:	Matthew Oleske			RUSH - Four Day	
E-mail:	shaines@langan.com	E-mail:	moleske@langan.com	E-mail:	moleske@langan.com			Standard (5-7 Day)	X
Samples Collected by: (print your name above and sign below) Sam Haines 									
Air Matrix Codes AI - Indoor Ambient Air AO - Outdoor Amb. Air AE - Vapor Extraction Well AS - Soil Vapor/Sub-Slab Process Gas/Effluent Other:									
Report / EDD Type (circle selections) Standard Excel EDD EQUIS (Standard) NYSDEC EQUIS NUDEP Reduced Deliv. NUDEP SRP HazSite Other:									
YOUR PO#:									
Certified Canisters: Batch Individual									
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested	Reporting Units: ug/m ³ X ppbv		
LSV-6	1/31/19 0841	AS 0241	26	20947	Y27	VOLs			
LSV-7	0912	AS 0443	28.5	20949	6865				
LSV-2	0917	AS 0444	30	16153	7088				
LSV-9	1015	AS 1015	26	17348	Y1				
LSV-4	1041	AS 1041	20	17351	3351				
LSV-5	1117	AS 1117	27	15522	5626				
LSV-8	1100	AS 1100	25.5	20754	5612				
SV-Dup-1	1015	AS 1015	29.5	20754	7418				
Comments: *28249 sample LSV-6 reached a vacuum of 3"hg after 411 minutes of sampling and was turned off as per telephone conversation with York.									
Detection Limits Required ≤ 1 ug/m ³ Routine Survey NYSDEC V1 Limits Other:									
Samples Relinquished by / Company Date/Time Samples Received by / Company Date/Time Samples Relinquished by / Company Date/Time Samples Received by / Company Date/Time Samples Relinquished by / Company Date/Time Samples Received by / Company Date/Time									
1/31/19 1540 Langan 1/31/19 1340 York 1/31/19 4PM York 1/31/19 4PM York 1/31/19 4PM York									
Sampling Media 6 Liter Canister Tedlar Bag									
Date/Time 1/31/19 Date/Time 1/31/19 Date/Time 1/31/19 Date/Time 1/31/19 Date/Time 1/31/19 Date/Time 1/31/19									