

10 October 2018

Mr. David J. Freeman, Esq.
Gibbons P.C.
One Pennsylvania Plaza, 37th Floor
New York, NY 10119

**Re: Phase II Environmental Investigation Report
375 Lafayette Street ("the Project")
New York, New York
Langan Project No. 100742901**

Dear Mr. Freeman:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology D.P.C. (Langan) has prepared this letter report to document the results of a Limited Phase II Environmental Investigation (Phase II EI) completed at the above referenced property for the purposes of due diligence. A site location map is provided as Figure 1. The following is a summary of the findings of this investigation.

Site Description

The approximate 19,775 ft² site is located at 375 Lafayette Street (Block 531, Lots 17, 56, and 52) in Manhattan, New York. The Site is currently occupied by an Edison Park Fast car parking lot that consists of an asphalt paved lot at street level, a one-story parking attendants' building along Great Jones Street, a hydraulic oil generator with internal reservoir, above-grade hydraulic oil distribution piping, and above-grade four-level car racks that each contain a hydraulic piston built into the frame of each parking bay.

The Site is bound to the north by a five-story mixed-use commercial and office building, a four-story mixed-use commercial and office building affiliated with New York University, and an eight-story residential apartment building followed by East 4th Street. The Site is bound to the east by a seven-story residential building, to the south by Great Jones Street followed by seven lots containing a 13-story mixed-use commercial and office building, two six-story and one three-story mixed-use commercial and residential buildings, one seven-story residential building, two seven-story industrial/manufacturing buildings, and an active construction site. The Site is bordered to the west by Lafayette Street underlain by the New York City Transit Authority (NYCTA) 4, 5, 6-Subway tunnel, followed by a six-story mixed-use commercial and office building.

Site History

Based on historical records reviewed as part of Langan's 20 June 2018 Phase I Environmental Site Assessment (ESA), the western portion of the Site was historically occupied by a gasoline filling station with two one-story service garages between at least 1950 and 1972. Underground storage tanks (USTs) were not identified on historical Sanborn Maps or registered in the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) database associated with current or historical site use. Other historical site operations with potential to cause adverse environmental impacts, as identified in the Phase I ESA, included a printing company on the eastern portion of the Site at 36 Great Jones Street in 1921 and an electronics company identified at 30 Great Jones Street between 1984 and 2007. According to historical Sanborn Maps, the Site has been used for car parking since 1975. Isolated areas of stained asphalt, likely associated with current site use as a car parking facility with above-grade hydraulic parking lifts, were observed during site reconnaissance completed as part of the Phase I ESA.

Historical operations of concern identified in the Phase I ESA for the area surrounding the Site included a gasoline filling station containing two 550-gallon USTs to the southwest of the intersection of Lafayette Street and Great Jones Street, a gasoline filling station and automobile service station with three 275-gallon gasoline USTs northeast of the intersection of Lafayette Street and Bond Street, and a motor freight station and two automobile repair facilities adjacent to the south across Great Jones Street. Although not adjacent to the subject property, a metal manufacturing company was identified to the west, across Lafayette Street.

Based on the potential for adverse impacts to the subsurface at the Site, historical site and current site was identified as a Recognized Environmental Condition (REC) in the Phase I ESA. Langan also identified the potential for subsurface impacts from surrounding sites, the potential presence of historic urban fill, and the potential presence of undocumented USTs as Business Environmental Risks (BERs).

This Phase II Environmental Investigation (EI) was completed for the purposes of due diligence to investigate potential subsurface impacts associated with current and historical use of the subject property, which was identified as a REC in the 2018 Phase I ESA.

Geological and Hydrogeological Conditions

Based on observations made during this Phase II EI, site stratigraphy generally consists of an approximately 10- to 15-foot thick layer of historic fill underlain by medium to coarse sand, which was encountered at depths of up to 47-feet below ground surface (bgs) at the three soil boring locations completed as temporary groundwater monitoring wells. Varying amounts of concrete and brick were observed within the historic fill layer. Native material was encountered directly below the asphalt surface cover in soil boring LSB-2 on the northwest portion of the site. Bedrock was not encountered in any of the soil borings installed as part of this Phase II EI.

Groundwater levels measured in temporary monitoring wells installed in soil borings LSB-5, LSB-9, and LSB-10 were measured at approximately 43.1 and 43.5-feet bgs. Based on local topography, groundwater within the overburden is anticipated to flow towards the east toward the East River.

PHASE II ENVIRONMENTAL INVESTIGATION

The Phase II investigation included a geophysical survey in all accessible areas of the subject property, the installation of ten soil borings, three temporary groundwater monitoring wells, and the collection of soil and groundwater samples for laboratory analysis. Soil borings and temporary groundwater monitoring wells were installed by Enviroprobe Service Inc. (Enviroprobe) of Mount Laurel, New Jersey on 22 August and 23 August 2018.

Geophysical Survey

The geophysical survey was completed on 17 August 2018 by Hager-Richter Geoscience Inc. of Fords, New Jersey using electromagnetic surveying equipment and ground penetrating radar (GPR). The purpose of the geophysical survey was investigate all portions of the subject property which were not occupied by above-grade car racks to scan for potential USTs and/or associated piping, and to clear proposed environmental and geotechnical drilling locations of subsurface utilities. Buried structures indicative of potential USTs were not identified on accessible areas of the Site. The geophysical survey identified areas of reinforced concrete in the eastern, central, and southwestern portions of the site. Geophysical utility clearance was completed in an approximate 10-foot radius around each proposed soil boring location. Active electrical utilities were identified along the southern property boundary and former electrical utilities that were observed to be cut at surface grade were located in the western portion of the site historically occupied by the gasoline filling station. The Geophysical Survey Report is provided as Attachment A.

Soil Investigation Procedures and Field Observations

On 22 August and 23 August 2018, ten soil borings (LSB-1 through LSB-10) were completed to investigate soil conditions and assess the potential presence of impacts associated with current and historical site use, historic urban fill, and potential impacts from historical use of surrounding sites. The borings were completed by Enviroprobe.

Eight of the soil borings (LSB-2 through LSB-4 and LSB-6 through LSB-10) were completed to 15-feet bgs, one soil boring (LSB-1) was completed to 20-feet bgs, and one of the soil borings (LSB-5) was completed to 50-feet bgs using a track-mounted Geoprobe® 7822DT direct-push drilling rig. Soil borings LSB-1 through LSB-7 were installed to evaluate potential subsurface impacts associated with historic site use as a gasoline filling station and automobile service garages. Soil borings LSB-8 and LSB-9 were installed to evaluate potential subsurface impacts associated with historic site use as an electronics manufacturer and printing company.

LSB-10 was installed to assess potential subsurface impacts associated with buried hydraulic oil lines and surficial staining associated with the current site use. Soil borings LSB-5, LSB-9, and LSB-10 were completed with 2-inch diameter temporary groundwater monitoring wells to a depth of approximately 50-feet bgs, corresponding to approximately 7-feet into the observed groundwater table. The temporary monitoring wells were installed in the southern portion of the site due to constraints associated with the current site operations as an active parking facility.

All soil boring locations are shown on Figure 2, and a summary of soil sample analytical results is provided in Table 1. Soil boring logs and temporary monitoring well construction logs are provided in Attachment B, groundwater sampling sheets are provided in Attachment C, and a complete laboratory data package is provided in Attachment D.

Continuous macrocore samples were collected to the bottom of each boring, with the exception of LSB-9 and LSB-10, which were advanced using a combination of direct-push and solid-stem auger drilling methods (where subsurface obstructions were encountered). Continuous macrocore samples were collected to 15-feet bgs at these locations to evaluate potential subsurface impacts within the historic fill layer and the borings were then advanced to 50-feet bgs via a combination of direct-push and solid-stem auger drilling methods for temporary well installation. Field screening of soil during sample collection for volatile organic compounds (VOCs) using a photo-ionization detector (PID) was completed during the installation of all ten test borings and all soil samples were screened for visual or olfactory evidence of impacts. Slightly elevated PID readings of up to 3.8 parts-per-million (ppm) above background were detected in LSB-1 between 6- and 10-feet bgs, up to 1.7 ppm above background in LSB-3 between 1- and 3-feet bgs, up to 2.5 ppm above background in LSB-8 between 10- and 15-feet bgs, and up to 2.7 ppm above background in LBS-9 between 5- and 10-feet bgs. Elevated PID readings and/or odor and staining were not observed in any other soil borings.

Ten soil samples were collected for chemical analysis during this Phase II EI. Samples for laboratory analysis were collected from a two-foot depth interval within the observed historic fill layer, and were biased towards the depth intervals exhibiting slightly elevated PID readings identified above. The soil sample collected from soil boring LSB-2 was collected from native material, as no historic fill was identified at this location.

Soil samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, Connecticut for volatile organic compound (VOC), semi-volatile organic compound (SVOC), Target Analyte List (TAL) metals, and hexavalent chromium analysis.

Soil Sampling Quality Assurance/Quality Control

Each macrocore was lined with a dedicated acetate liner prior to the collection of each 5-foot long soil sample collected in the use of the Geoprobe® 7822DT. Soil samples were then placed in glass jars supplied by the laboratory. Soil samples collected for VOCs were obtained via a

plunger calibrated to collect approximately 5 grams of soil and then placed in a vial that was preserved with methanol or distilled water.

Each soil sample was recorded in a field log book. Samples were transferred to the laboratory 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 blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one duplicate sample, and two trip blanks. The soil duplicate sample and field blank sample were analyzed for VOCs, SVOCs, TAL metals, and hexavalent chromium. The trip blanks were analyzed for VOCs only.

Ground Water Investigation and Field Observations

On 22 August and 23 August 2018, three temporary groundwater monitoring wells (LTW-1 through LTW-3) were installed by a licensed well driller from Enviroprobe. Monitoring wells were completed to approximately 50-feet bgs, corresponding to approximately 7-feet below the observed groundwater table. All temporary groundwater monitoring wells were constructed with 10-feet of 2-inch diameter Schedule 40 polyvinyl chloride (PVC) 0.010-inch slot size well screen and 40-feet of 2-inch diameter PVC riser. Monitoring well locations were measured in the field from the nearest property boundary and are shown on Figure 2. Groundwater levels were measured prior to sampling with an oil/water interface probe. Light non-aqueous phase liquid (LNAPL) was not detected in any of the temporary groundwater monitoring wells. Static groundwater levels in the three groundwater monitoring wells were measured to be between 43.1- and 43.5-feet bgs. Based on local topography, groundwater within the overburden is anticipated to flow towards the east toward the East River.

On 23 August 2018, three groundwater samples (LTW-1 through LTW-3) were collected for chemical analysis via United States Environmental Protection Agency (USEPA) low-flow purging and sampling methods using dedicated polyethylene tubing and a 1.75-inch diameter submersible bladder pump with a dedicated polyethylene bladder at each location. Groundwater field parameters, including pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, and turbidity were measured during low-flow purging activities. Groundwater Field Sampling Logs are provided in Attachment C. No odors, evidence of sheen, or free product were observed during purging or sampling activities in any of the wells. A summary of groundwater analytical results is provided in Table 2 and shown on Figure 4. A complete laboratory data package is provided in Attachment D.

Groundwater samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, CT for VOC, SVOC, TAL metals, and hexavalent chromium analysis.

Groundwater Sampling Quality Assurance/Quality Control

Collected groundwater samples were placed in containers supplied by the laboratory with the appropriate preservatives. Each groundwater sample was recorded in a field log book. Samples were transferred to the laboratory after field sampling was completed, and were stored prior to submission to the laboratory 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 blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one trip blank, and one duplicate sample for groundwater samples. The groundwater field blank and duplicate samples were analyzed for VOCs, SVOCs, total TAL metals, and hexavalent chromium. The trip blank was analyzed for VOCs only.

Laboratory Analytical Results

Soil

All soil analytical results were compared to the NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs) and the NYSDEC Commissioner's Policy CP-51 Soil Cleanup Guidance dated 21 October 2010 and are discussed below. 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.

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, a common laboratory artifact, in LSB-9.

SVOCs exceeding the NYSDEC SCOs were detected in LSB-1 and LSB-5 through LSB-10. 2-Methylnaphthalene was detected in soil sample LSB-10 (1.61 mg/kg) at a concentration exceeding the NYSDEC Restricted Use SCO (RUSCO) for Residential Use. Benzo(k)fluoranthene (1.63 mg/kg – 5.42 mg/kg) was detected in soil samples LSB-1, LSB-5 and LSB-7 through LSB-10 at concentrations exceeding the NYSDEC RUSCO for Residential Use and in LSB-6 at concentrations exceeding the NYSDEC RUSCO for Restricted Residential Use. Chrysene (1.91 mg/kg – 5.87 mg/kg) was detected in soil samples LSB-1, LSB-5, LSB-9, and LSB-10 at concentrations exceeding the NYSDEC RUSCOs for Residential Use and in LSB-6 through LSB-8 at concentrations exceeding the NYSDEC RUSCO for Restricted Residential Use. Indeno(1,2,3-cd)pyrene (1.21 mg/kg – 4.65 mg/kg) was detected in soil samples LSB-1 and LSB-5 through LSB-10 at concentrations exceeding the NYSDEC RUSCO for Restricted Residential Use. Benzo(a)anthracene (2.16 mg/kg – 6.76 mg/kg) and benzo(b)fluoranthene (1.88 mg/kg – 6.79 mg/kg) were detected in soil samples LSB-1, LSB-5, and LSB-7 through LSB-10 at concentrations exceeding the NYSDEC RUSCOs for Restricted Residential Use and in soil sample LSB-6 at concentrations exceeding the NYSDEC RUSCOs

for Commercial Use. Dibenzo(a,h)anthracene (0.389 mg/kg – 1.84 mg/kg) was detected in soil samples LSB-5 and LSB-9 at concentrations exceeding the NYSDEC RUSCO for Restricted Residential Use, in samples LSB-1, LSB-7, LSB-8, and LSB-10 at concentrations exceeding the NYSDEC RUSCO for Commercial Use, and in LSB-6 at concentrations exceeding the NYSDEC RUSCO for Industrial Use. Benzo(a)pyrene (2.18 mg/kg – 7.85 mg/kg) was detected in soil samples LSB-1 and LSB-5 through LSB-10 at concentrations exceeding the NYSDEC RUSCO for Industrial Use.

Metals were detected at concentrations exceeding the NYSDEC Unrestricted Use SCOs in all soil samples collected. Hexavalent chromium (1.85 mg/kg) was detected in sample LSB-2; copper (53.6 mg/kg – 58.4 mg/kg) was detected in samples LSB-6 and LSB-10; and, zinc (120 mg/kg – 275 mg/kg) was detected in samples LSB-1, LSB-5 and LSB-8 through LSB-10 at concentrations exceeding the NYSDEC Unrestricted Use SCOs. Nickel (41 mg/kg – 172 mg/kg) was detected in samples LSB-1, LSB-3, and LSB-4 at concentrations exceeding the NYSDEC Unrestricted Use SCO and in LSB-2 at a concentration exceeding the NYSDEC RUSCO for Residential Use. Iron (8,360 mg/kg – 19,600 mg/kg) was detected in all soil samples at concentrations exceeding the NYSDEC RUSCO for Residential Use. Lead (79.1 mg/kg – 603 mg/kg) was detected in samples LSB-2, LSB-3, LSB-6, LSB-8, and LSB-9 at concentrations exceeding the NYSDEC Unrestricted Use SCO and in samples LSB-1, LSB-5, and LSB-10 at concentrations exceeding the NYSDEC RUSCO for Restricted Residential Use. Mercury (0.204 mg/kg – 2.8 mg/kg) was detected in samples LSB-2, LSB-3, LSB-6, LSB-8, and LSB-10 at concentrations exceeding the NYSDEC Unrestricted Use SCO and in sample LSB-1 at a concentration exceeding the NYSDEC RUSCO for Commercial Use. Barium (429 mg/kg – 532 mg/kg) was detected in LSB-1 and LSB-10 at concentrations exceeding the NYSDEC RUSCO for Commercial Use.

Groundwater

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 discussed below. Duplicate groundwater samples results are not included in the discussion as these samples are collected for quality assurance/quality control verification of the laboratory results only.

Analytical results revealed no VOCs were detected in exceedance of the NYSDEC GWQS with the exception of chloroform in samples LTW-2 and LTW-3 at concentrations of 7.93 µg/l and 9.78 µg/l, respectfully. SVOCs were not detected in any of the groundwater samples collected at concentrations exceeding the GWQS.

Total metals were detected in all groundwater samples at concentrations exceeding the GWQS including iron (363 µg/l – 827 µg/l), iron and manganese combined (577 µg/l – 2,057 µg/l), and sodium (160,000 µg/l – 370,000 µg/l). Additionally, the metal manganese (396 µg/l – 1,230 µg/l) was detected in groundwater samples LTW-2 and LTW-3 and the metal selenium (10.4 µg/l) was detected in groundwater sample LTW-2 at concentrations exceeding the GWQS.

Conclusions and Recommendations

Field observations documented during this Limited Phase II EI revealed that historic fill is present at the subject property. Slightly elevated PID readings up to 3.8 ppm were observed in soil borings LSB-1, LSB-3, LSB-8, and LSB-9; however, as no visual or olfactory evidence of impacts were observed at these locations, the elevated PID readings are attributed to the presence of historic fill. Odor or staining was not observed in any of the soil borings advanced at the site.

Laboratory analytical results did not identify VOCs in soil at concentrations above the NYSDEC SCOs in any of the samples collected with the exception of acetone, a common laboratory artifact, in soil boring LSB-9. The VOC chloroform was detected in all three groundwater samples and at concentrations exceeding the GWQS in two of the three groundwater samples as discussed above. Chloroform was not detected in any of the ten soil samples collected at concentrations above laboratory reporting limits; therefore, chloroform in groundwater may be the result of an offsite source and not related to historical site use.

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 were detected at concentrations exceeding the NYSDEC SCOs in all soil samples, with the exception of LSB-2 through LSB-4 on the southwestern portion of the site. Additionally, the PAH 2-methylnaphthalene was detected in LSB-10 on the southeast portion of the site at a concentration exceeding the RUSCO for Residential Use. These samples were collected from within the historic fill layer and the elevated concentrations of PAHs are typical of historic urban fill. These compounds were not detected in any of the groundwater samples collected at concentrations above laboratory reporting limits.

The metal iron was detected in all soil samples collected at concentrations exceeding the NYSDEC SCOs in addition to barium, hexavalent chromium, copper, lead, mercury, nickel, and zinc at various locations at the site. These samples were collected from within the historic fill layer and the elevated concentrations of metals are typical of historic urban fill. The presence of iron, manganese, sodium, and selenium at concentrations exceeding the GWQS in groundwater at the site is attributable to background conditions of groundwater in native soil.

Based on the soil and groundwater analytical results, subsurface impacts are consistent with the presence of historic fill, which will require special handling and disposal requirements during disturbance of this material during future site work. The detection of chloroform in

groundwater may be attributable with off-site impacts from the historic use of adjacent and surrounding sites, as VOCs were not detected in any of the soil samples collected. As no subsurface anomalies indicative of potential USTs were identified in the geophysical investigation and petroleum-related VOCs were not detected in soil above NYSDEC Unrestricted Use SCOs or in groundwater above NYSDEC GWQS, evidence of impacts to the subsurface as the result of historical site use as a gasoline filling station and automotive service was not identified.

The results of this investigation are not to be construed as indicative of the overall site conditions. Additional areas of impacts may exist at the site and may be encountered as part of any redevelopment/renovation activities. If encountered, additional areas of impacts would require additional investigation to determine the nature and extent of these impacts and may also trigger the need for regulatory reporting.

Sincerely,

**Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.**



Amanda Forsburg, CHMM
Senior Project Scientist



Steven A. Ciambuschini, PG, LEP
Principal / Vice President

AF:SAC:kn

Attachments: Tables 1 and 2
Figures 1, 2, and 3
Attachment A – Geophysical Survey Report
Attachment B – Soil Boring Logs and Well Construction Logs
Attachment C – Groundwater Sampling Sheets
Attachment D – Laboratory Analytical Data Packages

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
375 LAFAYETTE STREET
New York, New York

Sample ID:	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					001/LSB-1	003/LSB-2	003/LSB-3	004/LSB-4	005/LSB-5	013/LSB-6	014/LSB-7	009/LSB-8	006/LSB-9	007/DUP-1 (LSB-9)	010/LSB-10
Laboratory Sample Number:		Unrestricted Use	Protection of Public Health - Restricted Use SCOs				18H1037-01	18H1037-03	18H1037-02	18H1037-04	18H1037-05	18H1109-09	18H1109-10	18H1109-07	18H1037-06	18H1037-07	18H1109-08
Sample Date:			Residential	Restricted-Residential	Commercial	Industrial	8/22/2018	8/22/2018	8/22/218	8/23/2018	8/23/2018	8/23/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018	8/22/2018
Sample Depth/VOC Sample Depth (ft bgs):							8-10 / 8-8.5	13-15 / 14-14.5	3-5 / 1-1.5	5-7 / 5-5.5	1-3 / 1.5-2	3-5 / 4.5-5	0-2 / 1.5-2	10-12 / 10-10.5	7-9 / 8-8.5	7-9 / 8-8.5	5-7 / 6.5-7
Units:			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
Metals, Target Analyte																	
Aluminum	7429-90-5	—	—	—	—	—	7,010	7,630	7,730	8,060	8,610	6,400	5,160	8,310	10,000	8,160	8,980
Antimony	7440-36-0	—	—	—	—	—	1.11	1.14	0.573	1.37	1.19	0.537	0.55	1.6	1.97	1.21	1.16
Arsenic	7440-38-2	13	16	16	16	16	1.93	1.15	2.06	1.18	2.3	1.65	1.72	6.37	2.92	2.93	6.21
Barium	7440-39-3	350	350	400	400	10,000	532	106	84.7	94.2	78.2	47.5	57.8	103	108	90.8	429
Beryllium	7440-41-7	7.2	14	72	590	2,700	0.209	0.283	0.121	0.316	0.126	0.145	0.182	0.181	0.125	0.112	0.152
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	0.331	0.346	0.344	0.355	0.458	0.322	0.317	0.324	0.333	0.604	0.408
Calcium	7440-70-2	—	—	—	—	—	11,200	8,380	15,200	4,300	58,600	18,300	8,960	38,400	48,100	45,400	35,300
Chromium, Total	7440-47-3	30	36	180	1500	6,800	21.3	26.9	22.7	22.5	13.7	10.7	11.4	25.5	23.9	20	20.8
Chromium, Hexavalent	18540-29-9	1	22	110	400	800	0.751	1.85	0.573	0.592	0.571	0.537	0.529	0.541	0.576	0.558	0.572
Cobalt	7440-48-4	—	30	—	—	—	8.16	14.5	12.2	12.1	6.34	5.32	6.56	6.62	7.21	7.09	7.43
Copper	7440-50-8	50	270	270	270	10,000	35.8	19	28.6	15	19.9	53.6	32.7	41.7	34.4	1,800	58.4
Iron	7439-89-6	—	2,000	—	—	—	15,300	19,600	17,300	18,200	12,100	11,500	8,360	17,100	13,700	12,700	14,500
Lead	7439-92-1	63	400	400	1,000	3,900	603	85.5	131	8.61	455	79.1	40.5	127	80.9	86.4	517
Magnesium	7439-95-4	—	—	—	—	—	3,570	16,900	12,800	10,800	3,720	5,110	2,310	4,100	5,470	5,520	4,670
Manganese	7439-96-5	1,600	2,000	2,000	10,000	10,000	491	444	316	416	218	261	369	303	280	283	296
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	2.8	0.209	0.204	0.0442	0.171	0.213	0.0867	0.28	0.174	0.3	0.442
Nickel	7440-02-0	30	140	310	310	10,000	41	172	109	101	29.9	14	23.3	20.6	19.7	18.2	26.8
Potassium	7440-09-7	—	—	—	—	—	1,700	1,840	2,150	2,280	872	1,150	876	1,140	1,670	1,750	1,820
Selenium	7782-49-2	3.9	36	180	1,500	6,800	1.1	1.15	1.15	1.18	1.14	1.07	1.06	1.08	1.11	1.12	1.14
Silver	7440-22-4	2	36	180	1,500	6,800	0.552	0.577	0.573	0.592	0.571	0.537	0.529	0.541	0.554	0.558	0.572
Sodium	7440-23-5	—	—	—	—	—	364	526	909	479	695	828	324	333	887	609	1,520
Thallium	7440-28-0	—	—	—	—	—	1.1	1.15	1.15	1.18	1.14	1.07	1.06	1.08	1.11	1.12	1.14
Vanadium	7440-62-2	—	100	—	—	—	29.6	21.8	25.7	22	18.2	15	11.9	25.6	26.5	25.7	32.2
Zinc	7440-66-6	109	2,200	10,000	10,000	10,000	120	49.9	101	37.6	248	65.2	106	132	177	104	275
General Chemistry																	
% Solids	solids	—	—	—	—	—	90.5	86.7	87.2	84.4	87.5	93.2	94.5	92.5	90.2	89.7	87.4

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.
B: analyte found in the analysis batch blank.
Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
375 LAFAYETTE STREET
New York, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LTW-1 017 18H1109-03 8/23/2018 ug/L Q	LTW-2 019 18H1109-04 8/23/2018 ug/L Q	LTW-3 015 18H1109-01 8/23/2018 ug/L Q	DUP-2 (LTW-3) 016 18H1109-02 8/23/2018 ug/L Q
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	71-55-6	5	0.20 U	0.20 U	0.20 U	0.20 U
1,1'-Biphenyl	92-52-4	5	1.92 U	1.92 U	1.92 U	1.92 U
1,1-Dichloroethane	75-34-3	5	0.20 U	0.20 U	0.20 U	0.20 U
1,1-Dichloroethene	75-35-4	5	0.20 U	0.20 U	0.20 U	0.20 U
1,1,1-Trichloroethane	71-55-6	5	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	79-00-5	1	0.20 U	0.20 U	0.20 U	0.20 U
1,1,1,2-Tetrachloroethane	630-20-6	5	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichlorobenzene	95-50-1	3	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	107-06-2	0.6	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethene (cis)	156-59-2	5	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethene (trans)	156-60-5	5	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropane	78-87-5	1	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloropropene (cis)	10061-01-5	0.4	0.20 U	0.20 U	0.20 U	0.20 U
1,3-Dichlorobenzene	541-73-1	3	0.20 U	0.20 U	0.20 U	0.20 U
1,2,3-Trichlorobenzene	87-61-6	5	0.20 U	0.20 U	0.20 U	0.20 U
1,2,2-Trifluoroethane (113 Freon)	76-13-1	5	0.20 U	0.20 U	0.20 U	0.20 U
1,2,3-Trichloropropane	96-18-4	0.04	0.20 U	0.20 U	0.20 U	0.20 U
1,2,4-Trichlorobenzene	120-82-1	5	0.20 U	0.20 U	0.20 U	0.20 U
1,2,4-Trimethylbenzene	95-63-6	5	0.20 U	0.20 U	0.20 U	0.20 U
1,3,5-Trimethylbenzene	108-67-8	5	0.20 U	0.20 U	0.20 U	0.20 U
1,3-Dichloropropene (trans)	10061-02-6	0.4	0.20 U	0.20 U	0.20 U	0.20 U
1,3-Dichlorobenzene	541-73-1	3	0.20 U	0.20 U	0.20 U	0.20 U
1,4-Dichlorobenzene	106-46-7	3	0.20 U	0.20 U	0.20 U	0.20 U
1,4-Dioxane	123-91-1	—	40.00 U	40.00 U	40.00 U	40.00 U
2-Butanone	78-93-3	50	0.20 U	0.20 U	0.20 U	0.20 U
Acetone	67-64-1	50	1.00 U	1.00 U	1.00 U	1.00 U
Acrolein	107-02-8	5	0.20 U	0.20 U	0.20 U	0.20 U
Acrylonitrile	107-13-1	5	0.20 U	0.20 U	0.20 U	0.20 U
Benzene	71-43-2	1	0.20 U	0.20 U	0.20 U	0.20 U
Bromochloromethane	74-97-5	5	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	75-27-4	50	0.20 U	0.20 U	0.20 U	0.20 U
Bromoform	75-25-2	50	0.20 U	0.20 U	0.20 U	0.20 U
Bromomethane	74-83-9	5	0.20 U	0.20 U	0.20 U	0.20 U
n-Butylbenzene	104-51-8	5	0.20 U	0.20 U	0.20 U	0.20 U
Carbon Disulfide	75-15-0	60	0.20 U	0.20 U	0.20 U	0.20 U
Carbon tetrachloride	56-23-5	5	0.20 U	0.20 U	0.20 U	0.20 U
Chlorobenzene	108-90-7	5	0.20 U	0.20 U	0.20 U	0.20 U
Chloroethane	75-00-3	5	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	67-66-3	7	1.59	7.93	9.78	9.75
Cyclohexane	110-82-7	—	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	124-48-1	50	0.20 U	0.20 U	0.20 U	0.20 U
Dibromomethane	74-95-3	5	0.20 U	0.20 U	0.20 U	0.20 U
Dichlorodifluoromethane	75-71-8	5	0.20 U	0.20 U	0.20 U	0.20 U
Ethylbenzene	100-41-4	5	0.20 U	0.20 U	0.20 U	0.20 U
Ethylene Dibromide	106-93-4	0.0006	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	87-68-3	0.5	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	118-74-1	0.04	0.02 U	0.02 U	0.02 U	0.02 U
2-Hexanone	591-78-6	50	0.20 U	0.20 U	0.20 U	0.20 U
Isopropyl Benzene	98-82-8	5	0.20 U	0.20 U	0.20 U	0.20 U
p-Isopropyltoluene	99-87-6	5	0.20 U	0.20 U	0.20 U	0.20 U
Methyl acetate	79-20-9	—	0.20 U	0.20 U	0.20 U	0.20 U
Methyl ethyl ketone (MEK / 2-butanone)	78-93-3	50	0.20 U	0.20 U	0.20 U	0.20 U
Methyl tert-butyl ether	1634-04-4	10	0.20 U	0.20 U	0.20 U	0.20 U
Methylene chloride	75-09-2	5	1.00 U	1.00 U	1.00 U	1.00 U
Methylcyclohexane	108-87-2	—	0.20 U	0.20 U	0.20 U	0.20 U
4-Methyl-2-Pentanone	108-10-1	—	0.20 U	0.20 U	0.20 U	0.20 U
Naphthalene	91-20-3	10	0.04 U	0.04 U	0.04 U	0.04 U
N-nitrosodiphenylamine	86-30-6	50	1.92 U	1.92 U	1.92 U	1.92 U
Propylbenzene-n	103-65-1	5	0.20 U	0.20 U	0.20 U	0.20 U
Sec-Butylbenzene	135-98-8	5	0.20 U	0.20 U	0.20 U	0.20 U
Styrene	100-42-5	5	0.20 U	0.20 U	0.20 U	0.20 U
Tert Butyl Alcohol (TBA)	75-65-0	—	0.50 U	0.50 U	0.50 U	0.50 U
Tert-Butylbenzene	98-06-6	5	0.20 U	0.20 U	0.20 U	0.20 U
Tetrachloroethene	127-18-4	5	0.46 J	0.21 J	0.31 J	0.32 J
Toluene	108-88-3	5	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	79-01-6	5	0.35 J	0.26 J	0.20 J	0.20 U
Trichlorofluoromethane (Freon 11)	75-69-4	5	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Chloride	75-01-4	2	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Xylene (o-Xylene)	95-47-6	5	0.20 U	0.20 U	0.20 U	0.20 U
m&p-Xylene	179601-23-1	5	0.50 U	0.50 U	0.50 U	0.50 U
Xylene (mixed)	1330-20-7	5	0.60 U	0.60 U	0.60 U	0.60 U

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
375 LAFAYETTE STREET
New York, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LTW-1 017 18H1109-03 8/23/2018 ug/L Q	LTW-2 019 18H1109-04 8/23/2018 ug/L Q	LTW-3 015 18H1109-01 8/23/2018 ug/L Q	DUP-2 (LTW-3) 016 18H1109-02 8/23/2018 ug/L Q
Semi-Volatile Organic Compounds (SVOCs)						
1,1'-Biphenyl	92-52-4	5	1.92 U	1.92 U	1.92 U	1.92 U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	---	1.92 U	1.92 U	1.92 U	1.92 U
2-Chloronaphthalene	91-58-7	10	1.92 U	1.92 U	1.92 U	1.92 U
2-Chlorophenol	95-57-8	---	1.92 U	1.92 U	1.92 U	1.92 U
2-Methylnaphthalene	91-57-6	---	1.92 U	1.92 U	1.92 U	1.92 U
2-Nitroaniline	88-74-4	5	1.92 U	1.92 U	1.92 U	1.92 U
2-Nitrophenol	88-75-5	---	1.92 U	1.92 U	1.92 U	1.92 U
2,4-Dichlorophenol	120-83-2	1	1.92 U	1.92 U	1.92 U	1.92 U
2,4-Dimethylphenol	105-67-9	1	1.92 U	1.92 U	1.92 U	1.92 U
2,4-Dinitrophenol	51-28-5	1	1.92 U	1.92 U	1.92 U	1.92 U
2,4-Dinitrotoluene	121-14-2	5	1.92 U	1.92 U	1.92 U	1.92 U
2,6-Dinitrotoluene	606-20-2	5	1.92 U	1.92 U	1.92 U	1.92 U
3-Nitroaniline	99-09-2	5	1.92 U	1.92 U	1.92 U	1.92 U
3,3'-Dichlorobenzidine	91-94-1	5	1.92 U	1.92 U	1.92 U	1.92 U
3- & 4-Methylphenols	65794-96-9	1	1.92 U	1.92 U	1.92 U	1.92 U
4-Nitroaniline	100-01-6	5	1.92 U	1.92 U	1.92 U	1.92 U
4-Nitrophenol	100-02-7	1	3.85 U	3.85 U	3.85 U	3.85 U
4,6-Dinitro-2-methylphenol	534-52-1	---	1.92 U	1.92 U	1.92 U	1.92 U
Acenaphthene	83-32-9	20	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Acenaphthylene	208-96-8	---	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Atrazine	1912-24-9	7.5	0.385 U	0.385 U	0.385 U	0.385 U
Anthracene	120-12-7	50	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Benidine	92-87-5	5	3.85 U	3.85 U	3.85 U	3.85 U
Benzo(a)anthracene	56-55-3	0.002	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Benzo(a)pyrene	50-32-8	ND	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Benzo(b)fluoranthene	205-99-2	0.002	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Benzo(g,h,i)perylene	191-24-2	---	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Benzo(k)fluoranthene	207-08-9	0.002	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Benzoic acid	65-85-0	---	19.2 U	19.2 U	19.2 U	19.2 U
Benzyl alcohol	100-51-6	---	1.92 U	1.92 U	1.92 U	1.92 U
Bis(2-chloroethoxy)methane	111-91-1	5	1.92 U	1.92 U	1.92 U	1.92 U
bis(2-Chloroethyl)ether	111-44-4	1	0.769 U	0.769 U	0.769 U	0.769 U
bis(2-Ethylhexyl)phthalate	117-81-7	5	0.385 U	0.469 U	0.385 U	0.385 U
4-Bromophenyl phenyl ether	101-55-3	---	1.92 U	1.92 U	1.92 U	1.92 U
Butyl benzyl phthalate	85-68-7	50	1.92 U	1.92 U	1.92 U	1.92 U
Carbazole	86-74-8	---	1.92 U	1.92 U	1.92 U	1.92 U
4-Chlorophenyl phenyl ether	7005-72-3	---	1.92 U	1.92 U	1.92 U	1.92 U
Chrysene	218-01-9	0.002	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Dibenzo(a,h)anthracene	53-70-3	---	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Dibenzofuran	132-64-9	---	1.92 U	1.92 U	1.92 U	1.92 U
Diethyl phthalate	84-66-2	50	1.92 U	1.92 U	1.92 U	1.92 U
Dimethyl phthalate	131-11-3	50	1.92 U	1.92 U	1.92 U	1.92 U
Di-n-butyl phthalate	84-74-2	50	1.92 U	1.92 U	1.92 U	1.92 U
Di-n-octyl phthalate	117-84-0	50	1.92 U	1.92 U	1.92 U	1.92 U
Fluoranthene	206-44-0	50	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Fluorene	86-73-7	50	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Hexachlorobenzene	118-74-1	0.04	0.0154 U	0.0154 U	0.0154 U	0.0154 U
Hexachlorobutadiene	87-68-3	0.5	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorocyclopentadiene	77-47-4	5	3.85 U	3.85 U	3.85 U	3.85 U
Hexachloroethane	67-72-1	5	0.385 U	0.385 U	0.385 U	0.385 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Isophorone	78-59-1	50	1.92 U	1.92 U	1.92 U	1.92 U
Naphthalene	91-20-3	10	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Nitrobenzene	98-95-3	0.4	0.192 U	0.192 U	0.192 U	0.192 U
N-Nitrosodimethylamine	62-75-9	---	0.385 U	0.385 U	0.385 U	0.385 U
N-nitroso-di-n-propylamine	621-64-7	---	1.92 U	1.92 U	1.92 U	1.92 U
n-Nitrosodiphenylamine	86-30-6	50	1.92 U	1.92 U	1.92 U	1.92 U
o-Cresol(s) (2-Methylphenol)	95-48-7	1	1.92 U	1.92 U	1.92 U	1.92 U
Pentachlorophenol	87-86-5	1	0.192 U	0.192 U	0.192 U	0.192 U
Phenanthrene	85-01-8	50	0.0385 U	0.0385 U	0.0385 U	0.0385 U
Phenol (total)	108-95-2	1	1.92 U	1.92 U	1.92 U	1.92 U
Pyrene	129-00-0	50	0.0385 U	0.0385 U	0.0385 U	0.0385 U

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
375 LAFAYETTE STREET
New York, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	LTW-1 017 18H1109-03 8/23/2018 ug/L Q	LTW-2 019 18H1109-04 8/23/2018 ug/L Q	LTW-3 015 18H1109-01 8/23/2018 ug/L Q	DUP-2 (LTW-3) 016 18H1109-02 8/23/2018 ug/L Q
Metals						
Aluminum	7429-90-5	—	233	194	121	134
Antimony	7440-36-0	3	1 U	1 U	1 U	1 U
Arsenic	7440-38-2	25	1 U	1 U	1 U	1 U
Barium	7440-39-3	1000	156	130	173	173
Beryllium	7440-41-7	3	1 U	1 U	1 U	1 U
Cadmium	7440-43-9	5	1 U	1 U	1 U	1 U
Calcium	7440-70-2	—	61,600	108,000	104,000	104,000
Chromium	7440-47-3	50	9.34	7.05	5.56 U	5.56 U
Chromium, Hexavalent	18540-29-9	50	25	10 U	10 U	10 U
Cobalt	7440-48-4	—	5.56 U	5.56 U	5.56 U	5.56 U
Copper	7440-50-8	200	7.23	7.12	7.06	6.51
Iron	7439-89-6	300	363 B	450 B	827 B	765 B
Iron and Manganese	7493-89-6/7439-96-5	500	577 B	846 B	2,057 B	1,985 B
Lead	7439-92-1	25	5.56 U	5.56 U	5.56 U	5.56 U
Magnesium	7439-95-4	35000	20,300	33,200	32,200	31,800
Manganese	7439-96-5	300	214	396	1,230	1,220
Mercury (elemental)	7439-97-6	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	7440-02-0	100	5.56 U	5.56 U	5.56 U	5.56 U
Potassium	7440-09-7	—	9,520	9,160	10,200	10,000
Selenium	7782-49-2	10	5.64	10.4	3.47	4.86
Silver	7440-22-4	50	5.56 U	5.56 U	5.56 U	5.56 U
Sodium	7440-23-5	20000	370,000	160,000	188,000	184,000
Thallium	7440-28-0	0.5	1 U	1 U	1 U	1 U
Vanadium	7440-62-2	—	11.1 U	11.1 U	11.1 U	11.1 U
Zinc	7440-66-6	2000	16.7 U	16.7 U	16.7 U	16.7 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 2018). 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

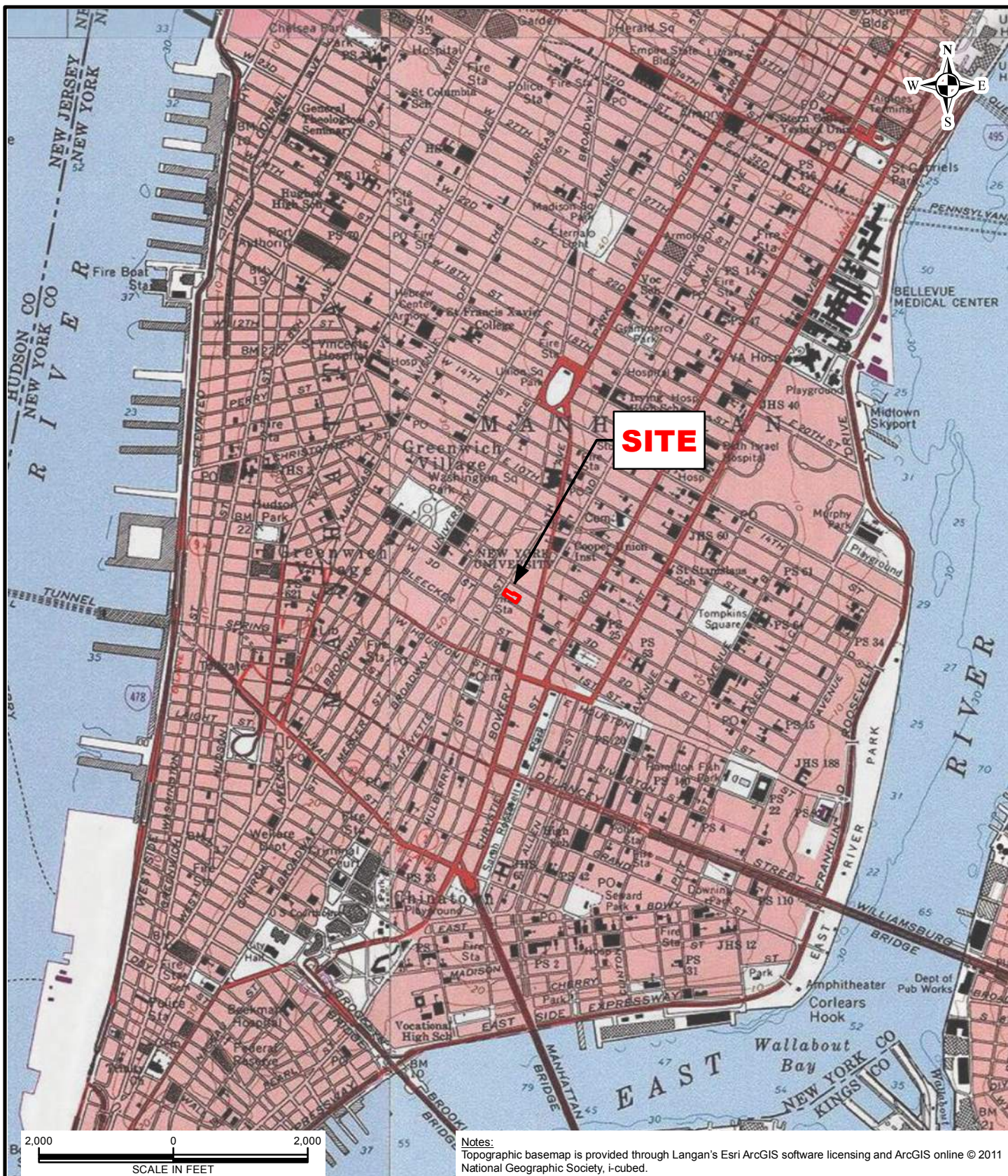
Q is the Qualifier Column with definitions as follows:

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

U: Analyte not detected at or above the level indicated

B: Analyte found in the analysis batch blank

FIGURES



LANGAN

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and
Landscape Architecture, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

**375 LAFAYETTE
STREET**

BLOCK No. 531, LOT No. 17, 52, & 56

MANHATTAN

NEW YORK

Drawing Title

**SITE
LOCATION MAP**

Project No.

100742901

Date

6/6/2018

Scale

1"=2,000'

Drawn By

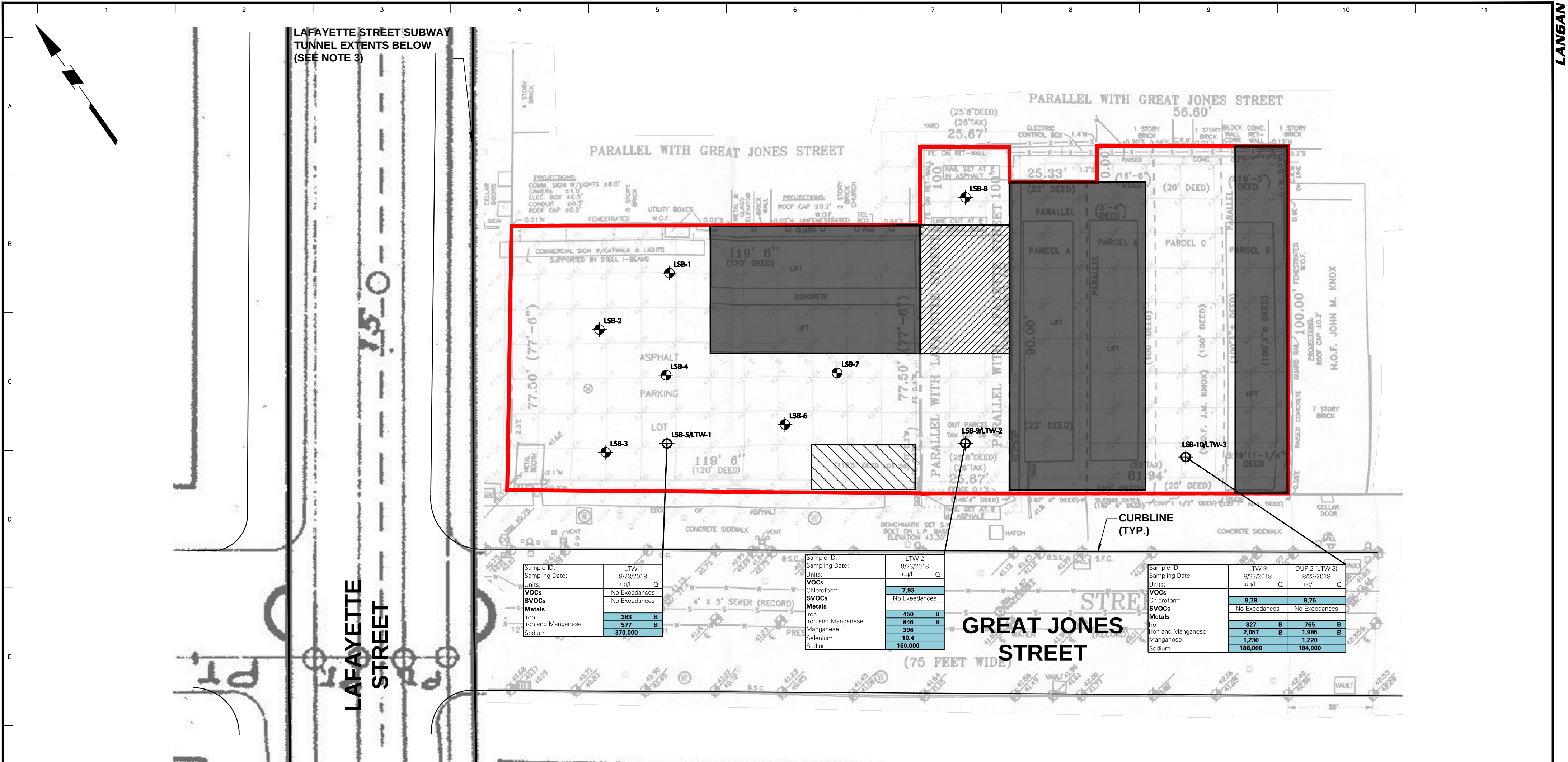
ATR

Last Revised

6/12/2018

Figure

1



Groundwater Quality Standards	TOGS 1.1.1 ug/L	Part 703 ug/L	Ground Water Quality Standards ug/L
Volatile Organic Compounds (VOCs)			
Chloroform	7	7	7
Metals			
Iron	300	300	300
Iron and Manganese	500	500	500
Manganese	300	300	300
Selenium	10	10	10
Sodium	20,000	20,000	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) (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.
Q is the Qualifier Column with definitions as follows:
B: Analyte found in the analysis batch blank

NOTES:

- ALL BORINGS AND NYCT SUBWAY TUNNEL STRUCTURE LOCATIONS ARE APPROXIMATE.
- THE BASE FIGURE IS REPRODUCED FROM A TOPOGRAPHICAL SURVEY DRAWING DATED 01 JANUARY 1999, LAST REVISED 08 JANUARY 2013 BY BARRY M. FAHRER.
- THE NYCT SUBWAY TUNNEL UNDER LAFAYETTE STREET LOCATION IS REPRODUCED FROM A 7 FEBRUARY 1924 NYCT RECORD DRAWING NO. 2175 TITLED "CONTRACT NO. 1, GENERAL LAYOUT RECORD DRAWING, PRINCE ST. TO 4TH ST."

LEGEND:

- SOIL BORING
- SOIL BORING/TEMPORARY GROUNDWATER MONITORING WELL
- GARAGE OFFICE (INACCESSIBLE)
- ABOVE GRADE LIFTS (INACCESSIBLE)
- REINFORCED CONCRETE AREA
- PROPERTY BOUNDARY



WARNING:
IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

LANGAN

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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

375 LAFAYETTE STREET

NEW YORK

Drawing Title

GROUNDWATER
ANALYTICAL RESULTS

NEW YORK

Project No.

100742901

Date

09/10/2018

Drawn By

AC

Checked By

NS

Drawing No.

4

ATTACHMENT A

Geophysical Survey Report

**GEOPHYSICAL SURVEY
375 LAFAYETTE AVENUE
MANHATTAN, NEW YORK**

Prepared for:

Langan Engineering & Environmental Services, P.C.
300 Kimball Drive, 4th Floor
Parsippany, New Jersey 07054-2172

Prepared by:

Hager-Richter Geoscience, Inc.
dba HR Geological Services in NY
846 Main Street
Fords, New Jersey 08863

File 18JCC67
September, 2018

HAGER-RICHTER GEOSCIENCE, INC.

GEOPHYSICS FOR THE ENGINEERING COMMUNITY

SALEM, NEW HAMPSHIRE

Tel: 603.893.9944

FORDS, NEW JERSEY

Tel: 732.661.0555

September 7, 2018

File 18JCC67

Matthew Oleske
Senior Staff Engineer
Langan Engineering & Environmental Services
300 Kimball Drive, 4th Floor
Parsippany, New Jersey 07054-2172

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

RE: Geophysical Survey
375 Lafayette Avenue
Manhattan, New York

Dear Mr. Oleske:

In this report, we summarize the results of a geophysical survey conducted in August, 2018 by Hager-Richter Geoscience, Inc. (H-R), 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 an active asphalt-paved parking facility located at 375 Lafayette Avenue, in Manhattan, New York. The site is L-shaped and measures approximately 230 feet by 100 feet. Reportedly, the southwest portion of the site was occupied by a former gas station. 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

José Carlos Cambero Calzada, P.G., Alexis Martinez, and Mark Jones of Hager-Richter conducted the field operations on August 17, 2018. The project was coordinated with Amanda

Forsburg and Matthew Oleske of Langan. Mr. Oleske specified the AOI and was present on site during the survey. The presence of vehicle stackers prevented access for the geophysical instrumentation in large portions of the site. The geophysical survey was conducted in sections previously cleared of vehicles by the parking operators.

The geophysical survey was conducted using three complementary geophysical methods: magnetics (Mag), ground penetrating radar (GPR), and precision utility location (PUL). Magnetic data were acquired along traverses spaced no more than 5 feet apart along the travel lanes with data stations spaced at approximately 3-4-inch intervals across the accessible portions of the area of interest. The mag survey detects and outlines areas containing buried metal. However, the mag method cannot provide information on the type of objects causing magnetic 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.

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

Mag. The magnetic survey was conducted using a Geometrics Model G858-G Cesium Vapor Magnetometer. The G-858-G uses two sensors with a vertical separation of 3.0 feet. The total magnetic field is measured at both sensors and the vertical magnetic gradient is calculated from those measurements. The G858-G can record data at 0.2 second cycle rates with a 0.05 gamma sensitivity. Magnetic data are most commonly presented as contour maps.

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 ns¹ 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

¹ ns, abbreviation for nanosecond, 1/1,000,000,000 second. Light and the GPR signal require about 1 ns to travel 1 ft in air. The GPR signal requires about 3.5 ns to travel 1 ft in unsaturated sandy soil.

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 METHODS

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. H-R is not responsible for maintaining utility mark-outs after leaving the work area.

Magnetic. The data recorded in magnetic surveys are affected by *all* ferrous metal objects. In particular, steel objects above ground, such as trailers, fences, and buildings, can so influence the magnetic field that the effects of buried metal objects, if any, at the same location are "masked." Thus, where magnetic anomalies can be attributed to surface objects, the presence or absence of buried metal objects cannot be determined from the magnetic data alone.

Detection and identification should be clearly differentiated. Detection is the recognition of the presence of a magnetic object, and the magnetic 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.?), and the magnetic method cannot identify the buried metal object.

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 Mag, GPR and PUL methods across the accessible portions of the specified AOI. Figure 2 is a color contour plot of the Mag survey results, and Figure 3 shows the locations of the GPR traverses and an integrated interpretation of the geophysical data.

Mag. A magnetic survey measures lateral variations in the earth's magnetic field which can be caused by the presence of ferrous metal objects, geological changes, and man-made magnetic fields. Figure 2 is a color contour plot of the vertical magnetic gradient, after filtering spikes produced by the presence of surface metallic objects described above. In addition, and as it will be described in the GPR section, numerous areas with subsurface reinforced concrete were detected and adversely affected the magnetic data. For these reasons, the magnetic survey was not successful in detecting possible USTs, utilities, or other subsurface metallic objects.

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 20-30 nanoseconds. Based on velocity matching calibrations made for the area of interest, the GPR signal penetration is estimated to have been about 3 to 4 feet.

GPR reflections typical for UST were not observed in the GPR records for the Site. Several flat topped structures, approximately 2 feet by 2 feet in size, were detected in the west portion of the site and may correspond to buried former pile caps. Their locations were marked in the field and are shown in Figure 3 with black boxes.

The GPR records indicate the presence of buried reinforced concrete in numerous areas of the site. The areas of buried reinforced concrete are 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 - 4 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.

The GPR records exhibit linear reflections typical of possible utilities or segments of utilities. 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, in areas where conflicts with utilities were not detected with PUL. Additional GPR records were acquired in the vicinity of the proposed boring locations to ensure that obstructions were not present. We note that a possible utility segment oriented SW-NE was detected with GPR after data processing in the office, and its location conflicts with proposed borings along the central east portion of the site. The approximate locations of the proposed borings are shown in the figures for reference.

CONCLUSIONS

Based on the geophysical survey performed by Hager-Richter Geoscience, Inc. at 375 Lafayette Avenue, in Manhattan, 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 - 4 feet) or in areas inaccessible to the geophysical survey cannot be determined from the geophysical data.*
- Several, unidentified buried structures, approximately 2 feet by 2 feet in size, were detected.
- Possible utilities were detected and located in the area of interest.
- Possible areas of buried reinforced concrete were detected.

LIMITATIONS ON USE OF 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. (H-R) in the performance of its work. The Report relates solely to the specific project for which H-R 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 H-R. 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 H-R.

H-R 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 H-R 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.

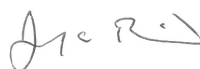
Except as expressly provided in this limitations section, H-R makes no other representation or warranty of any kind whatsoever, oral or written, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed.

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.
dba HR Geological Services in NY



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



Jeffrey Reid, P.G. (NY 000018)
Owner / Principal Geophysicist

Attachments: Figure 1-4



APPROXIMATE SCALE (feet)

0 500 1000



NOTE:

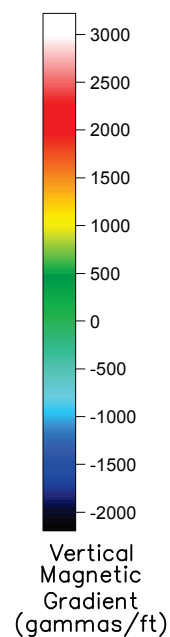
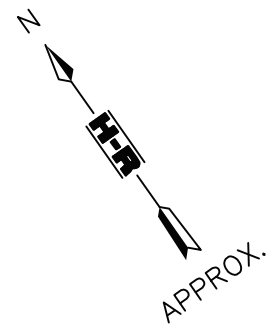
Modified from Google Earth Pro aerial photograph.

* DBA HR Geological
Services in New York

Figure 1
General Site Location
375 Lafayette Street
Manhattan, New York

File 18JCC67 | September, 2018

HAGER-RICHTER*
Salem, NH | Fords, NJ



LEGEND

- DATA STATIONS
- PROPOSED BORING
- ELECTRIC BOX
- LIGHT POLE
- ELECTRIC CAP
- MANHOLE



NOTES:

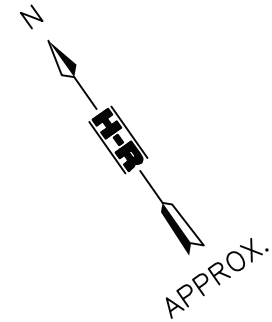
- Modified from site plan provided by Langan Engineering & Environmental Services, identified as TA-02_Geophysical Survey Phasing.pdf.
- Data were acquired with Geometrics G 858.

* DBA HR Geological
Services in New York

Figure 2
Vertical Magnetic Gradient
375 Lafayette Street
Manhattan, New York

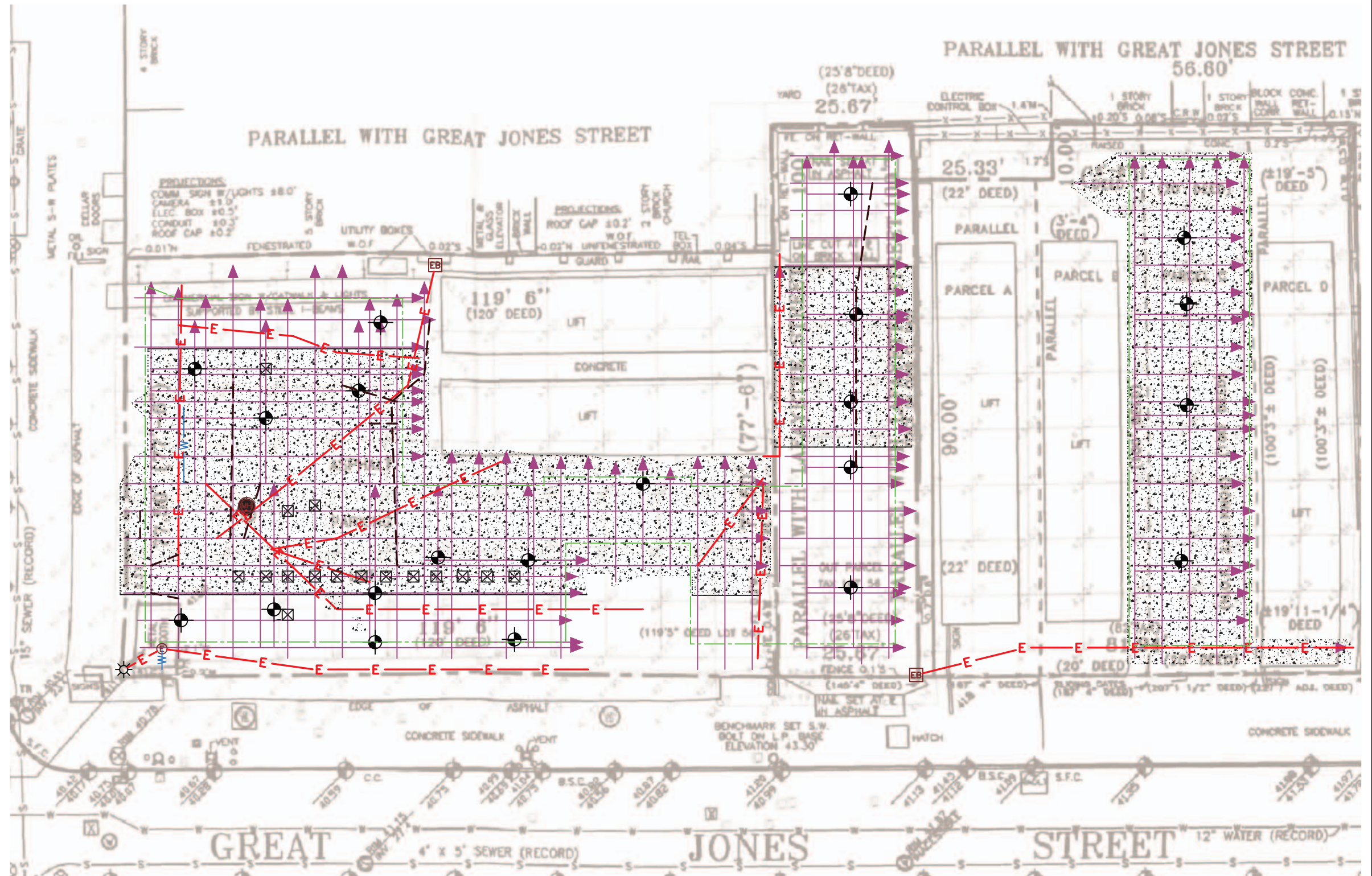
File 18JCC67 | September, 2018

HAGER-RICHTER*
Salem, NH | Fords, NJ



LEGEND

- APPROXIMATE LIMITS OF EM SURVEY AREA
- GPR TRAVERSE
- UNIDENTIFIED BURIED STRUCTURE
- ELECTRIC LINE
- WATER LINE
- POSSIBLE UTILITY
- AREA OF BURIED REINFORCED CONCRETE
- PROPOSED BORING
- ELECTRIC BOX
- LIGHT POLE
- ELECTRIC CAP
- MANHOLE



NOTE:

Modified from site plan provided by Langan Engineering & Environmental Services, identified as TA-02_Geophysical Survey Phasing.pdf.

* DBA HR Geological Services in New York

Figure 3
GPR Survey &
Integrated Interpretation
375 Lafayette Street
Manhattan, New York

File 18JCC67 | September, 2018

HAGER-RICHTER*
Salem, NH | Fords, NJ

ATTACHMENT B

Soil Boring Logs and Well Construction Logs

PROJECT 373 LAFAYETTE ST				PROJECT NO. 100742901			
LOCATION MANHATTAN NY				ELEVATION AND DATUM APPROX. 43' MANHATTAN PRES. DAT.			
DRILLING AGENCY ENVIROBARGE				DATE STARTED 8/22/18		DATE FINISHED 8/22/18	
DRILLING EQUIPMENT 7822DT GEOPROBE				COMPLETION DEPTH 20' BGS		ROCK DEPTH	
SIZE AND TYPE OF BIT 2 1/4" x 5" STAINLESS STEEL MACROCORE				LOCATION NORTHWEST PARKING LOT			
CASING				NO. SAMPLES		DIST.	
CASING HAMMER WEIGHT DROP				WATER LEVEL NA		UNDIST. 3 CORE	
SAMPLER 2" x 6" ACETATE LINED MACROCORE				FOREMAN HOWARD HAMEL		COMPL. 24 HR	
SAMPLER HAMMER WEIGHT DROP				LANGAN REP. CONNOR GIEGER			

MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC.	TYPE	PID (ppm)	
		0-60' CONCRETE					STARTED ON LSB-1 @ 750 REFUSAL W/ 2" STEEL USED GRINDING BIT ON 3/4" AUGER TO GET THROUGH CONCRETE
			1			0	
			2			0	
			3			0	
			4			0	
		0"-10" CONCRETE (INTACT)	5			0	AUGER THROUGH CONCRETE WITH GRINDING BIT
		10"-32" Light Brown, med. density, med-coarse SAND, trace Brick (dry)	6			0.8	
			7			1.3	SAMPLE 001/LSB-1 COLLECTED @ 8:40 AM FROM 8'-10' (8.0-8.5) JDC's
			8			3.8	
			9			3.6	
			10			3.5	
			11			3.0	
		0"-12" light brown med. density, med-coarse SAND, trace gravel (dry)	12			1.0	
			13			1.9	
		12"-34" Brown, med. density, med-fine SAND, some brick, (dry)	14			0.8	
			15			1.0	
			16			0.1	

LANGAN

JOB NO. 100742901

LOG OF BORING NO. LSB-1

DATE: 8/22/18

SHEET 2 OF 2

MATERIAL SYMBOL	NYC BC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOG	TYPE	RECOVER IN	PID (ppm)	
		0'-6" Brown med. density fine-med. SAND, tr. brick (dry)	15				0	HF/NATIVE INTERFACE @ 15' 6"
		6"-34" Red/Brown high density fine SAND (moist)	16				0	
			17				0	
			18				0	
		34"-36" Brown, low density coarse SAND, some fine gravel (dry)	19				0	LSB-1 COMPLETE TO 20' BGS @ 0835
			20				0	

PROJECT <u>375 LAFAYETTE ST</u>		PROJECT NO. <u>100742901</u>	
LOCATION <u>MANHATTAN, NY</u>		ELEVATION AND DATUM <u>APPROX. 43' MANHATTAN PRES. DAT.</u>	
DRILLING AGENCY <u>ENVIRO PROBE SERVICES, INC</u>		DATE STARTED <u>8/22/18</u>	DATE FINISHED <u>8/22/18</u>
DRILLING EQUIPMENT <u>GEOPROBE 7822 DT</u>		COMPLETION DEPTH <u>15' BGS</u>	ROCK DEPTH <u>—</u>
SIZE AND TYPE OF BIT <u>2 1/4" X 5" STAINLESS STEEL MACROCORE</u>		LOCATION <u>NORTH WEST PARKING LOT</u>	
CASING <u>NA</u>	NO. SAMPLES	DIST.	UNDIST. <u>3</u>
CASING HAMMER WEIGHT <u>—</u> DROP <u>—</u>	WATER LEVEL <u>NA</u>	FIRST	COMPL. <u>—</u>
SAMPLER <u>2 1/2" ACETATE LINED MACROCORE</u>	FOREMAN <u>HOWARD HAMEL</u>		
SAMPLER HAMMER WEIGHT <u>—</u> DROP <u>—</u>	LANGAN REP. <u>CUNNOR GIBBER</u>		

MATERIAL SYMBOL	NY/CBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	PID (ppm)	
		0" - 7" ASPHALT + CONCRETE					STARTED DRILLING LSB-2 @ 0915
		7" - 26" Brown, med. density, f.m SAND (dry)	1				
			2				SAMPLE 003/LSB-2
			3				COLLECTED 13-15 (14.0-14.5) @ 0925
			4				
			5				
		0" - 15" Brown, med. density f.m SAND, tr. Gravel (dry)	6				
		15" - 26" Red/Brown, med. density coarse SAND, some Gravel (dry)	7				
			8				
			9				
			10				
		0" - 21" Red/Brown, med. density, med-coarse SAND, some Gravel (dry)	11				
		21" - 34" Red/Brown, high density SILT (dry)	12				
			13				
			14				
			15				BORING LSB-2 COMPLETE to 15' @ 0925

SHEET 1 OF 1

PROJECT	375 LAFAYETTE ST	PROJECT NO.	100742901
LOCATION	MANHATTAN, NY	ELEVATION AND DATUM	APPROX. 43' MANHATTAN D.P.S. DAT
DRILLING AGENCY	ENVIROPROBE SERVICES, INC	DATE STARTED	8/22/18
DRILLING EQUIPMENT	GEOPROBE 7822DT	DATE FINISHED	8/22/18
SIZE AND TYPE OF BIT	2 1/4" x 5' STAINLESS STEEL MACROCORE	COMPLETION DEPTH	15' BLS
CASING	NA	ROCK DEPTH	NA
CASING HAMMER	WEIGHT — DROP —	LOCATION	WESTERN PARKING LOT
SAMPLER	2x5 ACETATE LINED MACROCORE	NO. SAMPLES	DIST.
SAMPLER HAMMER	WEIGHT — DROP —	UNDIST.	3
		CORE	
		WATER LEVEL	NA
		FIRST	COMPL
		24 HR	
		FOREMAN	HOWARD HAMEL
		LANGAN REP.	CONNOR GISSER

MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	PID (ppm)	
HISTORIC FILL		0"-6" ASPHALT				0.1	LSB-3 BEGAN DRILLING
		6"-21" Gray, low density, fine SAND, some fine gravel (dry)	1			0.9	@ 8:50
		21"-26" Brown, med. density, med-coarse SAND, some Brck (Dry)	2			1.7	
			3			1.7	002/LSB-3 COLLECTED @
			4			0	9:10 from
			5			0	(1'-3") (1'-1.5') WOC'S
			6			0	
			7			0	
			8			0	
			9			0	
			10			0	
			11			0	
			12			0	
			13			0	
NATIVE		0"-10" Brown, med. density f-med. SAND (moist)	14			0	
		10"-24" Red/Brown, high density, fine SAND, tr. Silt (moist)	15			0	
	24"-37" Red/Brown, med. density, f-med. SAND	16			0		
		17			0		
		18			0		
		19			0		
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		76			0		
		77			0		
		78			0		
		79			0		

PROJECT <u>375 LAFAYETTE ST</u>		PROJECT NO. <u>100742901</u>	
LOCATION <u>MANHATTAN, NY</u>		ELEVATION AND DATUM <u>approx. 43' + MANHATTAN PRES. DATUM</u>	
DRILLING AGENCY <u>ENVIROPROBE SERVICES INC</u>		DATE STARTED <u>8/22/10</u>	DATE FINISHED <u>8/22/10</u>
DRILLING EQUIPMENT <u>GIEUPROBE 7822DT</u>		COMPLETION DEPTH <u>15' BGS</u>	ROCK DEPTH <u>—</u>
SIZE AND TYPE OF BIT <u>2 1/4" x 5" STAINLESS STEEL MACROCORE</u>		LOCATION <u>WESTERN PARKING LOT</u>	
CASING <u>NA</u>	NO. SAMPLES	DIST.	UNDIST. <u>3</u>
CASING HAMMER WEIGHT <u>—</u> DROP <u>—</u>	WATER LEVEL <u>NA</u>	FIRST	COMPL. <u>24 HR</u>
SAMPLER <u>2"x5" ALUMINUM LINED MACROCORE</u>		FOREMAN <u>HOWARD HANDEL</u>	
SAMPLER HAMMER WEIGHT <u>—</u> DROP <u>—</u>		LANGAN REP. <u>CONNOR GIBBER</u>	

MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	RECOVERED	PID (ppm)	
		0"-24" CONCRETE					0	LSB-4 STARTED @ 9:35 REFUSAL ON CONCRETE @ 6" USED GRINDING BIT TO GO FROM 6"-15" WHERE CONCRETE STOPPED
		24"-30" Brown, med. density, coarse SAND, tr. fine Gravel (dry)	1				0	
		30"-41" Gray, low density, coarse SAND, Some Gravel (dry)	2				0	
			3	1	DP	4 1/2"	0	
			4				0	
		0"-18" Brown, low density med-coarse SAND, Some Brick (dry)	5				0	004/LSB-4 COLLECT (6-7) (5.0-5.5) @ 10:10
			6				0	
			7	2	DP	18"	0	
			8				0	
			9				0	
		0"-12" Gray/Pink, low density, coarse SAND, Some fine Gravel (dry)	10				0	LSB-4 COMPLETE TO 15' @ 10:10
		12"-35" Brown, high density, fine SAND, some silt (dry)	11	3	DP	11 5/8"	0	
			12				0	
			13				0	
			14				0	
			15				0	

PROJECT <u>375 LAFAYETTE ST</u>		PROJECT NO. <u>100742901</u>	
LOCATION <u>MANHATTAN, NY</u>		ELEVATION AND DATUM <u>Approx. 43' MANHATTAN PRESIDENTS DAT.</u>	
DRILLING AGENCY <u>ENVIROPROBE SERVICES, INC</u>		DATE STARTED <u>8/22/18</u>	DATE FINISHED <u>8/22/18</u>
DRILLING EQUIPMENT <u>GEOPROBE 7822DT</u>		COMPLETION DEPTH <u>45' Gas</u>	ROCK DEPTH <u>—</u>
SIZE AND TYPE OF BIT <u>2 1/4" x 5" STAINLESS STEEL MACROCORE</u>		LOCATION <u>WESTERN PARKING LOT</u>	
CASING <u>NA</u>	NO. SAMPLES	DIST.	UNDIST. <u>9</u> CORE
CASING HAMMER WEIGHT <u>—</u> DROP <u>—</u>	WATER LEVEL	FIRST <u>43.5'</u>	COMPL. <u>43.3'</u> 24 HR
SAMPLER <u>2" x 5" ACETATE LINED MACROCORE</u>	FOREMAN <u>HOWARD HAMEL</u>		
SAMPLER HAMMER WEIGHT <u>—</u> DROP <u>—</u>	LANGAN REP. <u>CONNOR GILBERT</u>		

MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	RECOVER.	PID (ppm)	
		0"-19" CRUSHED CONCRETE, some Brown m-c low density sand	1		DP	19"	0	START ON CSB-5 @ 10:25 0005/CSB-5 COLLECTED FROM 1-3 (1.0-1.5') @ 11:40 @ 4.5' -> CONCRETE OBSTRUCTION REFUSAL USED GRINDING BIT TO 9.5'
			2				0	
			3				0	
			4				0	
			5				0	
			6				0	
			7				0	
			8				0	
			9				0	
			10				0	
		0"-29" Red/Brown, med. density fine SAND, some Silt, tr. fine Gravel Cement	11				0	
			12				0	
			13				0	
			14				0	
			15				0	

LANGAN

JOB NO. 100742901

LOG OF BORING NO. LSB-5

DATE: 8/22/18

SHEET 2 OF 3

MATERIAL SYMBOL	NYC BC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	RECOVER	PID (ppm)	
NATIVE		0" - 13" Red/Brown, med. density. fine SAND, some Silt, tr. Gravel (moist)	15				0	
			16				0	
			17				0	
			18				0	
		13" - 29" Brown, low density, med-coarse SAND, tr. Gravel (dry)	17	2	DP	29"	0	
			18				0	
			19				0	
			20				0	
		0" - 29" Brown, low density, med-coarse SAND (moist)	20				0	
			21				0	
			22				0	
			23				0	
		0" - 18" Brown, low density, med-coarse SAND, str fine Gravel (moist)	22	5	DP	28"	0	
			23				0	
			24				0	
			25				0	
		18" - 26" Brown, med. density fine SAND (dry)	26				0	
			27				0	
			28				0	
			29				0	
		0" - 12" Brown, med. density fine SAND (dry)	27	6	DP	26"	0	
			28				0	
			29				0	
			30				0	
		12" - 34" Brown, low density, med-coarse SAND (dry)	30				0	
			31				0	
			32				0	
			33				0	
			31	7	DP	34"	0	
			32				0	
			33				0	
			34				0	

LANGAN

JOB NO. 100742901

LOG OF BORING NO. LSB-5

DATE: 6/22/18

SHEET 3 OF 3

MATERIAL SYMBOL	NYC BC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	PID (ppm)	
			33			0	
			34			0	
		0"-10" Brown, low density, M-C SAND (moist)	35			0	
		10"-16" Brown/Red, med density, Fine SAND (moist)	36			0	
		16"-38" Brown, low density M-C SAND (dry)	37	8	DP	0	
			38		38"	0	
			39			0	
			40			0	
		6"-40" Brown, low density SAND (moist)	41			0	
		WET @ 43.5'	42	9	DP	0	
			43		40"	0	
			44			0	
			45			0	
			46				ADVANCED 3 1/4" SOLID TIP TO 50' BGS FOR INSTALLATION LTW-1
			47				LTW-1 SCREENED FROM 40'-50' BGS, 2" PVC
			48				RISER INSTALLED FROM 40' BGS TO 2" ABOVE GROUND SURFACE
			49				
			50				

NATIVE

W @ 43.5'

PROJECT <u>375 LAFAYETTE ST</u>		PROJECT NO. <u>100742901</u>	
LOCATION <u>MANHATTAN, NY</u>		ELEVATION AND DATUM <u>APPROX. 43' MANHATTAN PRESIDENTS DAT.</u>	
DRILLING AGENCY <u>ENVIKUPROBE SERVICES, LLC</u>		DATE STARTED <u>8-23-18</u>	DATE FINISHED <u>8-23-18</u>
DRILLING EQUIPMENT <u>GEOPROBE 7022DT</u>		COMPLETION DEPTH <u>15' BLS</u>	ROCK DEPTH <u>NA</u>
SIZE AND TYPE OF BIT <u>2 1/4" X 5' STAINLESS STEEL MACHOCORE</u>		LOCATION <u>CENTRAL PARKING LOT</u>	
CASING <u>NA</u>	NO. SAMPLES	DIST.	UNDIST. <u>3</u>
CASING HAMMER WEIGHT <u>—</u> DROP <u>—</u>	WATER LEVEL <u>NA</u>	FIRST	COMPL. <u>24 HR</u>
SAMPLER <u>2X5' ACETATE LINED MACHOCORE</u>		FOREMAN <u>HOWARD HAMEL</u>	
SAMPLER HAMMER WEIGHT <u>—</u> DROP <u>—</u>		LANGAN REP. <u>CONNOR GILBERT</u>	

MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	RECOVER	PID (ppm)	
		0"-24" ASPHALT COVERING 2' SLAB OF CONCRETE	1				0	CONCRETE GRINDED FROM 6"-2.0'
		24"-50" Brown, med. density F-C SAND, tr. Gravel (dry)	2				0	
			3				0	
			4				0	
			5				0	
		0"-18" Brown, med. density SAND, tr. Gravel (dry)	6				0	0.13/LSB-6 COLLECTED 3'-5' (4.5-5) @ 10:20
		18"-26" Red, crushed brick, some Brown. low density M-C SAND (dry)	7				0	
			8				0	
			9				0	
			10				0	
		0"-6" Gray, low density M-F SAND (dry)	11				0	COMPLETE LSB-6 TO 15' @ 10:20
		6"-12" Brown, med. density F-C SAND, some Brick tr. Gravel (dry)	12				0	
			13				0	
			14				0	
			15				0	

PROJECT <u>375 LAFAYETTE ST</u>		PROJECT NO. <u>100-742901</u>	
LOCATION <u>MANHATTAN, NY</u>		ELEVATION AND DATUM <u>APPROX. 43' MANHATTAN PRESIDENT'S DATUM</u>	
DRILLING AGENCY <u>ENVIRONMENTAL SERVICES, INC.</u>		DATE STARTED <u>8.23.18</u>	DATE FINISHED <u>8.23.18</u>
DRILLING EQUIPMENT <u>GEOPROBE 7822 BT</u>		COMPLETION DEPTH <u>15' BLS</u>	ROCK DEPTH <u>NA</u>
SIZE AND TYPE OF BIT <u>2 1/4" X5" STAINLESS STEEL MACROCORE</u>		LOCATION <u>CENTRAL PARKING LOT</u>	
CASING <u>NA</u>	NO. SAMPLES	DIST.	UNDIST. <u>3</u>
CASING HAMMER WEIGHT — DROP —	WATER LEVEL <u>NA</u>	FIRST	COMPL. 24 HR
SAMPLER <u>2" X5" ACETATE LINED MACROCORE</u>	FOREMAN <u>HOWARD HAMEL</u>		
SAMPLER HAMMER WEIGHT — DROP —	LANGAN REP. <u>CONNOR GIBBER</u>		

MATERIAL SYMBOL	NYOBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	RECOVER. IN. PID (ppm)	
		0" - 11" Crushed concrete and brick	1			0	STARTED DRILLING LSB-7 @ 10:25
		11" - 31" Brown, low density, med. SAND (fill sand) dry)	2			0	
			3			0	
			4			0	014/LSB-7 COLLECTED FROM (0-2')(1.5-2.0) @ 10:35
			5			0	
			6			0	
		0" - 3" Brown, low density med. SAND (fill sand) dry)	7			0	
		3" - 17" Brown, med. density F-C SAND, to fine gravel (dry)	8			0	
		17" - 27" Brown, med. density, fine SAND, some S. H. (dry)	9			0	
			10			0	
			11			0	
			12			0	
		0" - 6" Brown, med. density fine SAND, to fine gravel (dry)	13			0	LSB-7 COMPLETE TO 15' BLS @ 10:35
		6" - 18" White/grey, high density, fine-course SAND, some fine gravel (dry)	14			0	
			15			0	

PROJECT <u>375 LAFAYETTE ST</u>		PROJECT NO. <u>100742901</u>	
LOCATION <u>MANHATTAN, NY</u>		ELEVATION AND DATUM <u>APPROX. 43' MANHATTAN PRESIDENT'S DATUM</u>	
DRILLING AGENCY <u>ENVIROPROBE SERVICES, INC</u>		DATE STARTED <u>8/23/18</u>	DATE FINISHED <u>8/23/18</u>
DRILLING EQUIPMENT <u>GIBEXPROBE 7022DT</u>		COMPLETION DEPTH <u>15' BLS</u>	ROCK DEPTH <u> </u>
SIZE AND TYPE OF BIT <u>2"x5" STAINLESS STEEL MACROCORE</u>		LOCATION <u>EASTERN PARKING LOT</u>	
CASING <u>NA</u>	NO. SAMPLES <u> </u>	DIST. <u>3</u>	UNDIST. <u> </u>
CASING HAMMER <u> </u>	WEIGHT <u> </u>	DROP <u> </u>	CORE <u> </u>
SAMPLER <u>2"x6" ACETATE LIQUID MACROCORE</u>	WATER LEVEL <u>NA</u>	FIRST <u> </u>	COMPL. <u> </u>
SAMPLER HAMMER <u> </u>	WEIGHT <u> </u>	DROP <u> </u>	24 HR <u> </u>
FOREMAN <u>HOWARD HAMMILL</u>		LANGAN REP. <u>CONNOR GIBLER</u>	

MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	PID (ppm)	
		0"-44" Brown, low density, m-c SAND, some Concrete, tr. Brick (dry)	1		DP	0	BEGIN DRILLING LSB-B @ 0730
			2		DP	0	
			3		DP	0	
			4		DP	0.7	
			5		DP	1.0	
		0"-44" Brown, low density, m-c SAND, some Concrete (dry)	6		DP	0.5	009/ LSB-B COLLECTED 10'-12' (10-10.5') @ 0800
			7		DP	0.6	
			8		DP	1.0	
			9		DP	1.7	
			10		DP	1.0	
		0"-46" Brown, low density, m-c SAND, some Concrete, tr. Brick (moist)	11		DP	0.5	COMPLETE LSB-B TO 15' BLS @ 0755
			12		DP	0.0	
			13		DP	0.0	
			14		DP	0.9	
			15		DP	2.2	
					DP	2.5	
					DP	1.0	
					DP	1.6	
					DP	1.7	
					DP	1.0	
					DP	1.0	

SHEET / OF 1

PROJECT 375 LAFAYETTE ST				PROJECT NO. 1007429011			
LOCATION MANHATTAN, NY				ELEVATION AND DATUM APPROX 43' MANHATTAN PRESIDENT'S DATUM			
DRILLING AGENCY ENVIROPROBE SERVICES, INC.				DATE STARTED 8/22/18		DATE FINISHED 8/22/18	
DRILLING EQUIPMENT GEOPROBE 7822 DT				COMPLETION DEPTH 15' BGS		ROCK DEPTH —	
SIZE AND TYPE OF BIT 2 1/4" x 5" STAINLESS STEEL MACROCURE				LOCATION CENTRAL PARKING LOT			
CASING —				NO. SAMPLES		DIST.	UNDIST. 3
CASING HAMMER WEIGHT — DROP —				WATER LEVEL		FIRST	COMPL. 43.50
SAMPLER 2" x 5" ACETATE LINED MACROCURE				FOREMAN HOWARD HAMEL			
SAMPLER HAMMER WEIGHT — DROP —				LANGAN REP. CONNOR GIBBARD			
MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	REC'D IN PID (ppm)	
		0'-43" Brown/Grey low density m-c SAND, some Gravel, tr. concrete (dry)	1			0	STARTED DRILLING @ 13:30
						1.7	
						2.2	
						2.6	
						1.0	
			2			0.5	
						0.4	
						0.5	
						0.5	
						0.8	
		0"-36" Grey/Brown low density, F-C SAND AND CONCRETE, some Gravel, tr. Brick (dry)	5			0.5	007 / Dip-1 + 006 / LSB-9 COLLECTED @ 7'-9' (8.0-8.5') @ VOC's @ 13:50
						0.0	
						1.0	
						2.2	
						2.2	
			7			2.5	
						2.7	
						0.6	
						0.1	
						1.1	
		0"-20" Grey/Brown low density, F-m SAND, some Concrete, tr. Brick (dry)	10			1.0	BORING ADVANCED TO 50' WITH 1 3/4" SOLID TIP FOR INSTALLATION OF LTW-2 WHICH WAS INSTALLED WITH A 2" PVC SCREEN FROM 40'-50', AND 2" PVC RISER FROM 40' BAG - 0' BGS
						0.5	
						0.0	
						0.0	
						0.0	
		20"-30" Brown, med. dens. m-c SAND, (dry)	12			0.0	
						0.0	
						0.0	
						0.0	
						0.0	
			13			0.0	
						0.0	
						0.0	
						0.0	
						0.0	
			14			0.0	
						0.0	
						0.0	
						0.0	
						0.0	
			15			0.0	

PROJECT <u>375 LAFAYETTE ST</u>		PROJECT NO. <u>100742901</u>	
LOCATION <u>MANHATTAN, NY</u>		ELEVATION AND DATUM <u>APPROX. 437 MANHATTAN PRESIDENT'S DATUM</u>	
DRILLING AGENCY <u>ENVIRUPROBE SERVICES, INC</u>		DATE STARTED <u>8/23/18</u>	DATE FINISHED <u>8/23/18</u>
DRILLING EQUIPMENT <u>GEOPROBE 7022DT</u>		COMPLETION DEPTH <u>15 BGS</u>	ROCK DEPTH <u>NA</u>
SIZE AND TYPE OF BIT <u>2 1/2" X 5" STAINLESS STEEL MACROCORE</u>		LOCATION <u>SOUTHEASTERN PARKING AREA</u>	
CASING	<u>NA</u>	NO. SAMPLES	DIST. <u>3</u> CORE
CASING HAMMER	WEIGHT <u>—</u> DROP <u>—</u>	WATER LEVEL	FIRST <u>43.11'</u> 24 HR
SAMPLER	<u>2" X 5" ACETATE LINED MACRO CORE</u>	FOREMAN <u>HOWARD HAMEL</u>	
SAMPLER HAMMER	WEIGHT <u>—</u> DROP <u>—</u>	LANGAN REP. <u>CONNOR GILBERT</u>	

MATERIAL SYMBOL	NYCBC CLASS	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				NO. LOC	TYPE	REC'D IN	
		0"-17" Grey/Brown, med. density, f-m SAND, some fine Gravel (moist)	1				BEGIN DRILLING LSB-10 @ 0810
		17"-27" Brown, med. density, f-m SAND, some Brck (dry)	2		DP	27"	
			3				
			4				
			5				
		0"-20" Grey, low density coarse SAND, some Brck, trace [slag?] (dry)	6				010/LSB-10 COLLECTED FROM 5'-7' (6.5-7.0) @ 0825 VOCs
		20"-34" [Crushed Brck], some grey, low density coarse SAND, tr. [SLAG]. (dry)	7		DP	34"	
			8				
			9				
			10				
		0"-8" [Crushed Brck]	11				
		8"-15" Grey-Black, low density, f-c SAND, tr. Gravel (moist)	12		DP	30"	
		15"-21" Brown, med. density, f-m SAND (moist)	13				
		21"-30" Brown, med. density m-c SAND (dry)	14				
			15				MACROCORE D.P. DRILLING COMPLETE TO 15' BGS @ 0820, BOREHOLE IS ADVANCED TO 50' BGS WITH 3 1/4" SOLID TIP BIT FOR INSTALLATION OF LTR-3 WHICH IS SCREENED WITH A 2" PVC AND 2" PVC RISER INSTALLED FROM 40' BGS TO 0' BGS

PROJECT <i>375 LAFAYETTE ST</i>		PROJECT NUMBER <i>100742901-1</i>	
LOCATION <i>MANHATTAN, NY</i>		ELEVATION AND DATUM <i>APPROX. 43' + MANHATTAN PRESIDENT'S DAT.</i>	
DRILLING AGENCY <i>ENVIRO PROBE SERVICE INC</i>		DATE STARTED <i>8/22/18</i>	DATE COMPLETED <i>8/22/18</i>
DRILLING EQUIPMENT <i>GEOPROBE 7822 DT</i>		DRILLER <i>HOWARD HAMEL</i>	
SIZE AND TYPE OF BIT <i>3 1/4" SOLID TIP STEEL</i>		INSPECTOR <i>C. GIEGER</i>	
METHOD OF INSTALLATION <i>2" MACROCORE BORING INSTALLED TO 45' BGS TO LOG/IDENTIFY GW LEVEL. SUBSEQUENTLY, 3 1/4" SOLID TIP USED TO REAM HOLE TO 50' BGS. 2" 10-FOOT SCREEN INSTALLED FROM 40'-50' BGS. 2" RISER PIPE FILLED FROM 40' PLS TO 3" ABOVE GROUND SURFACE.</i>			
METHOD OF WELL DEVELOPMENT <i>A 2-GALLON PURGE WAS PERFORMED WITH A SUBMERSIBLE WHALE PUMP UNTIL GW WAS CLEAR OF SOLIDS.</i>			
TYPE OF CASING <i>NA</i>		TYPE OF BACKFILL MATERIAL <i>NA</i>	
TYPE OF SCREEN <i>10-SLOT, SCHEDULE 40 PVC</i>		TYPE OF SEAL MATERIAL <i>NA</i>	
BOREHOLE DIAMETER <i>3 1/4"</i>		TYPE OF FILTER MATERIAL <i>NA</i>	
TOP OF CASING	ELEVATION <i>43' 2" +</i>	Depth <i>2" +</i>	
TOP OF SEAL	ELEVATION <i>NA</i>	Depth	
TOP OF FILTER	ELEVATION <i>NA</i>	Depth	
TOP OF SCREEN	ELEVATION <i>3' +</i>	Depth <i>40' BGS</i>	
BOTTOM OF BORING	ELEVATION <i>-7' +</i>	Depth <i>50' BGS</i>	
SCREEN LENGTH	<i>-10'</i>		
SLOT SIZE	<i>0.01-INCHES</i>		
GROUNDWATER ELEVATIONS			
ELEVATION <i>+0.30'</i>	DATE <i>8/22/18</i>		
ELEVATION <i>+0.35'</i>	DATE <i>8/23/18</i>		
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		
SOIL CLASSIFICATION			DEPTH
<i>HISTORIC FILL</i>			<i>5'</i>
<i>FINE SAND</i>			<i>10'</i>
<i>M-C LOW DENSITY SAND</i>			<i>15'</i>
<i>GW @ 43.30' BELOW TOP OF CASING</i>			<i>25'</i>
			<i>50'</i>

LANGAN

WELL CONSTRUCTION SUMMARY

INITIAL BTW: 4351

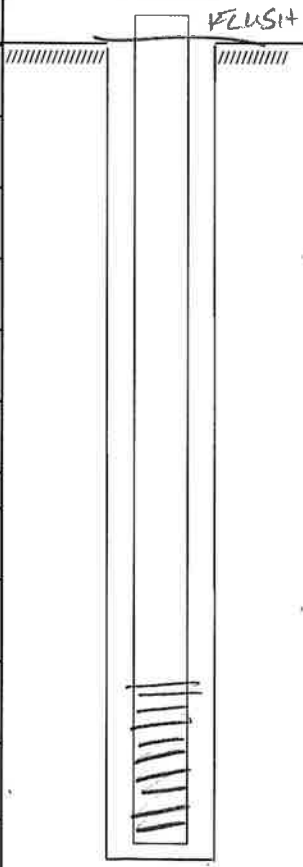
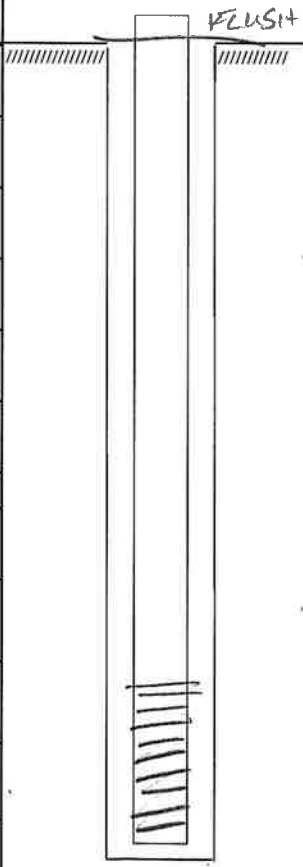
WELL NO. LTW-2

PROJECT 375 LAFAYETTE ST		PROJECT NUMBER 100742901	
LOCATION MANHATTAN, NY		ELEVATION AND DATUM APPROX. 43' MANHATTAN PRESIDENT'S DATUM	
DRILLING AGENCY ENVIRO PROBE SERVICES, INC		DATE STARTED 8/22/18	DATE COMPLETED 8/22/18
DRILLING EQUIPMENT GEO PROBE 7022DT		DRILLER HOWARD HAMMEL BRANDON CARPENTER	
SIZE AND TYPE OF BIT 3/4 STEEL SOLID POINT		INSPECTOR CONNOR GLENN	
METHOD OF INSTALLATION 3/4" SOLID TIP STEEL BIT USED TO ADVANCE BOREHOLE TO 50' BGS, 2" 10-SLOT SCHEDULE 40 PVC INSTALLED FROM 40' TO 50' BGS, AND 2" SOLID RISER INSTALLED FROM 40' TO 0' BGS. 3/4" PIPE REMOVED FROM THE ANNULAR SPACE FOLLOWING PVC INSTALLATION			
METHOD OF WELL DEVELOPMENT SUBMERSIBLE WHALE PUMP USED TO PURGE APPROXIMATELY 2 GALLONS OF GW UNTIL GW IS CLEAR OF SOLIDS			
TYPE OF CASING —		DIAMETER —	
TYPE OF SCREEN 10-SLOT, SCHEDULE 40 PVC		DIAMETER 2"	
BOREHOLE DIAMETER 3/4"		TYPE OF SEAL MATERIAL NA	
TYPE OF FILTER MATERIAL NA			
TOP OF CASING	ELEVATION 43' +	Depth 0"	
TOP OF SEAL	ELEVATION NA	Depth	
TOP OF FILTER	ELEVATION NA	Depth	
TOP OF SCREEN	ELEVATION 3' +	Depth 40' BGS	
BOTTOM OF BORING	ELEVATION -7'	Depth 50' BGS	
SCREEN LENGTH 10- FEET			
SLOT SIZE 0.01- INCHES			
GROUNDWATER ELEVATIONS			
ELEVATION	DATE 8/22/18		
ELEVATION	DATE 8/23/18		
ELEVATION	DATE		SOIL CLASSIFICATION Brown, f.c. med. density SAND, some Concrete, tr. Brick. INITIAL BTW 43.50' BGS
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		

LANGAN

WELL CONSTRUCTION SUMMARY

WELL NO. **LTW-3**

PROJECT 375 LAFAYETTE ST		PROJECT NUMBER 100742901	
LOCATION MANHATTAN, NY		ELEVATION AND DATUM APPROX. 43' MANHATTAN PRESIDENTS DATUM	
DRILLING AGENCY ENVIRO PROBE SERVICES, INC		DATE STARTED 8/23/18	DATE COMPLETED 8/23/18
DRILLING EQUIPMENT GEOPROBE 7822DT		DRILLER HOWARD HAMEL	
SIZE AND TYPE OF BIT 3 1/4" SOLID TIP (STEEL)		INSPECTOR CONNOR GIEBER	
METHOD OF INSTALLATION DRIVE 3 1/4" SOLID TIP TO 50' BGS; INSTALL 2" SCREEN FROM 40' TO 50' BGS; INSTALL 2" SOLID RISER FROM 40' TO 0' BGS; REMOVE 3 1/4" CASING FOLLOWING INSTALLATION OF PVC.			
METHOD OF WELL DEVELOPMENT NA			
TYPE OF CASING — — —		TYPE OF BACKFILL MATERIAL NA	
TYPE OF SCREEN 10-SLOT SCHEDULE 40 PVC 2"		TYPE OF SEAL MATERIAL NA	
BOREHOLE DIAMETER 3 1/4"		TYPE OF FILTER MATERIAL NA	
TOP OF CASING	ELEVATION 43' +	Depth 0.0' BGS	
TOP OF SEAL	ELEVATION NA	Depth	
TOP OF FILTER	ELEVATION NA	Depth	
TOP OF SCREEN	ELEVATION 3' +	Depth 40' BGS	
BOTTOM OF BORING	ELEVATION -7'	Depth 50' BGS	
SCREEN LENGTH 10- FEET			
SLOT SIZE 0.01"			
GROUNDWATER ELEVATIONS			
ELEVATION -0.11'	DATE 8.23.18		
ELEVATION -0.16'	DATE 8.23.18		
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		
WELL DETAILS			SOIL CLASSIFICATION
FEUSIT 			Brown/Gray M-C SAND Brick HISTORIC FILL Brown, M-C SAND NATIVE @ 14.3'
			15
			25
			40
			50

ATTACHMENT C

Groundwater Sampling Sheets

[illegible]

LANGAN

[illegible]

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS									
Project:	375 LATAMETTE ST	Site Location:	MANNATTAN, NY	Well No:	1-TW-3	Date:	8.23.18		
Job Number:	100742961	Weather:	75°F CLEAR	Sampler(s):	CG				
Initial DTW (ft):	43.11' BGS	Well Depth (ft):	50' BGS	Pump Depth (ft):	47' BGS				
TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	NOTES color, odor etc.
9:25	18.70	7.55	-12	1.94	800	0.103	43.28	300mL/m	SLIGHT BROWN, NO O
09:30	18.50	7.46	-10	1.80	695	0.51	43.18	300mL/m	SLIGHT BROWN, NO O
09:35	18.21	7.10	-9	1.79	439	0.50	43.16	300mL/m	CLEAR, NO ODOR
09:40	18.07	7.03	-2	1.76	210	0.50	43.16	300mL/m	CLEAR, NO ODOR
09:45	17.99	7.03	0	1.76	169	0.52	43.16	300mL/m	CLEAR, NO ODOR
09:50	17.81	7.00	-1	1.79	115	0.49	43.16	300mL/m	CLEAR, NO ODOR
09:55	17.69	7.01	0	1.76	60	0.42	43.16	300mL/m	CLEAR, NO ODOR
10:00	17.70	6.98	0	1.86	39	0.46	43.16	300mL/m	CLEAR, NO ODOR
10:05	17.67	6.99	0	1.80	27	0.50	43.16	300mL/m	CLEAR, NO ODOR
10:10	17.67	7.00	0	1.79	21	0.46	43.16	300mL/m	CLEAR, NO ODOR
10:15	17.65	7.00	0	1.77	14	0.47	43.16	300mL/m	CLEAR, NO ODOR
10:20	17.66	7.01	0	1.78	10	0.40	43.16	300mL/m	CLEAR, NO ODOR
10:25	17.66	6.98	-1	1.80	12	0.42	43.16	300mL/m	CLEAR, NO ODOR
10:30	17.64	7.00	-1	1.81	13	0.40	43.16	300mL/m	CLEAR, NO ODOR
10:35	17.61	7.00	-2	1.80	12	0.40	43.16	300mL/m	CLEAR, NO ODOR
10:40	17.64	6.99	-2	1.80	11	0.41	43.16	300mL/m	CLEAR, NO ODOR
		+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown		
Notes: START PUMPING @ 9:05, PID @ HEAD = 6.0ppm 015/LTW-3 AND 016/DUP-2 COLLECTED @ 10:45									

ATTACHMENT D

Laboratory Analytical Data Packages



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 08/29/2018

Client Project ID: 100732401

York Project (SDG) No.: 18H1037

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

Report Date: 08/29/2018
Client Project ID: 100732401
York Project (SDG) No.: 18H1037

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 22, 2018 and listed below. The project was identified as your project: **100732401**.

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>
18H1037-01	001/LSB-1	Soil	08/22/2018	08/22/2018
18H1037-02	002/LSB-3	Soil	08/22/2018	08/22/2018
18H1037-03	003/LSB-2	Soil	08/22/2018	08/22/2018
18H1037-04	004/LSB-4	Soil	08/22/2018	08/22/2018
18H1037-05	005/LSB-5	Soil	08/22/2018	08/22/2018
18H1037-06	006/LSB-9	Soil	08/22/2018	08/22/2018
18H1037-07	007/Dup-1	Soil	08/22/2018	08/22/2018
18H1037-08	008/TB-1	Water	08/22/2018	08/22/2018

General Notes for York Project (SDG) No.: 18H1037

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/29/2018





Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 8:40 am

08/22/2018

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	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 14:22	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 14:22	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS



Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 8:40 am

08/22/2018

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	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 14:22	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
95-49-8	2-Chlorotoluene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
106-43-4	4-Chlorotoluene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
67-64-1	Acetone	0.014	CCV-E, SCAL- E	mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
108-86-1	Bromobenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:22	RDS



Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 8:40 am

08/22/2018

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	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
75-65-0	tert-Butyl alcohol (TBA)	0.019		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS



Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

York Project (SDG) No.

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100732401

Soil

August 22, 2018 8:40 am

08/22/2018

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
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:22	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 14:22	RDS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %				77-125					
2037-26-5	Surrogate: Toluene-d8	108 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	158 %	IS-LO, S-09			76-130					

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,PADEP	08/28/2018 16:38	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,PADEP	08/28/2018 16:38	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,PADEP	08/28/2018 16:38	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR



Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

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100732401

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August 22, 2018 8:40 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
65794-96-9	3- & 4-Methylphenols	0.0560	J	mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
83-32-9	Acenaphthene	0.225		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
208-96-8	Acenaphthylene	0.0773	J	mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 16:38	SR



Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

York Project (SDG) No.
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100732401

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August 22, 2018 8:40 am

Date Received
08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
120-12-7	Anthracene	0.952		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
56-55-3	Benzo(a)anthracene	3.03		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 11:40	SR
50-32-8	Benzo(a)pyrene	3.31		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 11:40	SR
205-99-2	Benzo(b)fluoranthene	3.02		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 11:40	SR
191-24-2	Benzo(g,h,i)perylene	2.26		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
207-08-9	Benzo(k)fluoranthene	2.42		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
65-85-0	Benzoic acid	0.215	CCV-E	mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
86-74-8	Carbazole	0.141		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
218-01-9	Chrysene	2.88		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
53-70-3	Dibenzo(a,h)anthracene	0.669		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
132-64-9	Dibenzofuran	0.0884	J	mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR



Sample Information

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100732401

Soil

August 22, 2018 8:40 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
206-44-0	Fluoranthene	6.94		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 11:40	SR
86-73-7	Fluorene	0.218		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.83		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
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	08/27/2018 12:45	08/28/2018 16:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
85-01-8	Phenanthrene	3.22		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 11:40	SR
108-95-2	Phenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
129-00-0	Pyrene	5.08		mg/kg dry	0.231	0.461	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 11:40	SR
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 16:38	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	62.9 %	20-108								
4165-62-2	Surrogate: Phenol-d5	71.6 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	80.2 %	22-108								



Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 8:40 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	71.8 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	130 %	S-08		19-110						
1718-51-0	Surrogate: Terphenyl-d14	79.2 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7010		mg/kg dry	5.52	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	1.11		mg/kg dry	0.552	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	1.93		mg/kg dry	1.10	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	532		mg/kg dry	1.10	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	0.209		mg/kg dry	0.110	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.331	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	11200	B	mg/kg dry	5.52	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	21.3		mg/kg dry	0.552	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	8.16		mg/kg dry	0.552	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	35.8		mg/kg dry	0.552	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	15300	B	mg/kg dry	2.21	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	603		mg/kg dry	0.552	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3570	B	mg/kg dry	5.52	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	491		mg/kg dry	0.552	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	41.0		mg/kg dry	0.552	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1700		mg/kg dry	5.52	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:38	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: 001/LSB-1

York Sample ID: 18H1037-01

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 8:40 am

Date Received
08/22/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:38	KML
7440-23-5	Sodium	364		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/29/2018 09:37	08/29/2018 12:38	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:38	KML
7440-62-2	Vanadium	29.6		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:38	KML
7440-66-6	Zinc	120		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:38	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.80		mg/kg dry	0.0331	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/27/2018 09:28	08/28/2018 09:17	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	90.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/28/2018 12:44	08/28/2018 17:26	TJD

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	0.751		mg/kg dry	0.552	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/27/2018 08:16	08/27/2018 18:53	TJD

Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 9:10 am

Date Received
08/22/2018



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:10 am

08/22/2018

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	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/24/2018 14:31	08/25/2018 00:43	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/24/2018 14:31	08/25/2018 00:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 00:43	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/24/2018 14:31	08/25/2018 00:43	SS



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:10 am

08/22/2018

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
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
67-64-1	Acetone	0.044	SCAL-E	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 00:43	SS



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:10 am

08/22/2018

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
75-65-0	tert-Butyl alcohol (TBA)	0.024	SCAL-E	mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

York Project (SDG) No.

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100732401

Soil

August 22, 2018 9:10 am

08/22/2018

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	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 00:43	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 00:43	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.0 %				77-125					
2037-26-5	Surrogate: Toluene-d8	105 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	120 %				76-130					

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,PADEP	08/28/2018 17:09	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,PADEP	08/28/2018 17:09	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,PADEP	08/28/2018 17:09	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

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100732401

Soil

August 22, 2018 9:10 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
62-53-3	Aniline	ND		mg/kg dry	0.192	0.383	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:09	SR



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

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Soil

August 22, 2018 9:10 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.383	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
50-32-8	Benzo(a)pyrene	0.0505	J	mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0957	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR



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Soil

August 22, 2018 9:10 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
206-44-0	Fluoranthene	0.0543	J	mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
108-95-2	Phenol	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0479	0.0957	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
110-86-1	Pyridine	ND		mg/kg dry	0.192	0.383	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:09	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	71.1 %		20-108							
4165-62-2	Surrogate: Phenol-d5	79.2 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	69.8 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	83.8 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	156 %	S-08	19-110							
1718-51-0	Surrogate: Terphenyl-d14	98.1 %		24-116							



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

York Project (SDG) No.

18H1037

Client Project ID

100732401

Matrix

Soil

Collection Date/Time

August 22, 2018 9:10 am

Date Received

08/22/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7730		mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-36-0	Antimony	ND		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-38-2	Arsenic	2.06		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-39-3	Barium	84.7		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-41-7	Beryllium	0.121		mg/kg dry	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-70-2	Calcium	15200	B	mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-47-3	Chromium	22.7		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-48-4	Cobalt	12.2		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-50-8	Copper	28.6		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7439-89-6	Iron	17300	B	mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7439-92-1	Lead	131		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7439-95-4	Magnesium	12800	B	mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7439-96-5	Manganese	316		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-02-0	Nickel	109		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-09-7	Potassium	2150		mg/kg dry	5.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7782-49-2	Selenium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-22-4	Silver	ND		mg/kg dry	0.573	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-23-5	Sodium	909		mg/kg dry	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-28-0	Thallium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML
7440-62-2	Vanadium	25.7		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML



Sample Information

Client Sample ID: 002/LSB-3

York Sample ID: 18H1037-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:10 am

08/22/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	101		mg/kg dry	1.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:40	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.204		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/27/2018 09:28	08/27/2018 17:46	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.2		%	0.100	1	SM 2540G Certifications: CTDOH	08/28/2018 12:44	08/28/2018 17:26	TJD

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	0.573	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/27/2018 08:16	08/27/2018 18:53	TJD

Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

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	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 01:12	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 01:12	SS



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

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	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 01:12	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 01:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 01:12	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
67-64-1	Acetone	0.038	SCAL- E	mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

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
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-65-0	tert-Butyl alcohol (TBA)	0.035	SCAL-E	mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:12	SS



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 9:25 am

Date Received
08/22/2018

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
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 01:12	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 01:12	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/24/2018 14:31	08/25/2018 01:12	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.3 %		77-125							
2037-26-5	Surrogate: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	114 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

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18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
62-53-3	Aniline	ND		mg/kg dry	0.193	0.385	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 17:39	SR



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		mg/kg dry	0.193	0.385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
56-55-3	Benzo(a)anthracene	0.0839	J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
50-32-8	Benzo(a)pyrene	0.0692	J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
205-99-2	Benzo(b)fluoranthene	0.0546	J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
207-08-9	Benzo(k)fluoranthene	0.0500	J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0962	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
218-01-9	Chrysene	0.0685	J	mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
206-44-0	Fluoranthene	0.152		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 9:25 am

Date Received
08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
85-01-8	Phenanthrene	0.126		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
108-95-2	Phenol	ND		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
129-00-0	Pyrene	0.129		mg/kg dry	0.0482	0.0962	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
110-86-1	Pyridine	ND		mg/kg dry	0.193	0.385	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 17:39	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	72.5 %		20-108							
4165-62-2	Surrogate: Phenol-d5	74.7 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	58.0 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	73.8 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	119 %	S-08	19-110							
1718-51-0	Surrogate: Terphenyl-d14	90.8 %		24-116							

Metals, Target Analyte

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

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	7630		mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-36-0	Antimony	1.14		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-39-3	Barium	106		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-41-7	Beryllium	0.283		mg/kg dry	0.115	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-70-2	Calcium	8380	B	mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-47-3	Chromium	26.9		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-48-4	Cobalt	14.5		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-50-8	Copper	19.0		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7439-89-6	Iron	19600	B	mg/kg dry	2.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7439-92-1	Lead	85.5		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7439-95-4	Magnesium	16900	B	mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7439-96-5	Manganese	444		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-02-0	Nickel	172		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-09-7	Potassium	1840		mg/kg dry	5.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7782-49-2	Selenium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-23-5	Sodium	526		mg/kg dry	11.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-28-0	Thallium	ND		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-62-2	Vanadium	21.8		mg/kg dry	1.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML
7440-66-6	Zinc	49.9		mg/kg dry	1.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:42	KML



Sample Information

Client Sample ID: 003/LSB-2

York Sample ID: 18H1037-03

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

18H1037

100732401

Soil

August 22, 2018 9:25 am

08/22/2018

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	0.209		mg/kg dry	0.0346	1	EPA 7473	08/27/2018 09:28	08/27/2018 17:55	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.7		%	0.100	1	SM 2540G	08/28/2018 12:44	08/28/2018 17:26	TJD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	1.85		mg/kg dry	0.577	1	EPA 7196A	08/27/2018 08:16	08/27/2018 18:53	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

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	0.0024	0.0048	1	EPA 8260C	08/24/2018 14:31	08/25/2018 01:40	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	08/24/2018 14:31	08/25/2018 01:40	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	08/24/2018 14:31	08/25/2018 01:40	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	08/24/2018 14:31	08/25/2018 01:40	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	08/24/2018 14:31	08/25/2018 01:40	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	08/24/2018 14:31	08/25/2018 01:40	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

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	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.095	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
67-64-1	Acetone	0.032	SCAL- E	mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

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	0.0048	0.0095	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 01:40	SS



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

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
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
75-65-0	tert-Butyl alcohol (TBA)	0.021	SCAL- E, J	mg/kg dry	0.0024	0.024	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 01:40	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 01:40	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.2 %	77-125								



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

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18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

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: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	114 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
62-53-3	Aniline	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,PADEP	08/28/2018 18:09	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0988	0.197	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 18:09	SR



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	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	08/27/2018 12:45	08/28/2018 18:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
108-95-2	Phenol	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0495	0.0988	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:09	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	74.8 %									
4165-62-2	Surrogate: Phenol-d5	78.3 %									
4165-60-0	Surrogate: Nitrobenzene-d5	62.8 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	72.1 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	119 %	S-08								
1718-51-0	Surrogate: Terphenyl-d14	80.7 %									

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	8060		mg/kg dry	5.92	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:44	KML
7440-36-0	Antimony	1.37		mg/kg dry	0.592	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:44	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:44	KML



Sample Information

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

18H1037

Client Project ID

100732401

Matrix

Soil

Collection Date/Time

August 22, 2018 10:10 am

Date Received

08/22/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	94.2		mg/kg dry	1.18	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	0.316		mg/kg dry	0.118	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.355	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	4300	B	mg/kg dry	5.92	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	22.5		mg/kg dry	0.592	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	12.1		mg/kg dry	0.592	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	15.0		mg/kg dry	0.592	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	18200	B	mg/kg dry	2.37	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	8.61		mg/kg dry	0.592	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	10800	B	mg/kg dry	5.92	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	416		mg/kg dry	0.592	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	101		mg/kg dry	0.592	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	2280		mg/kg dry	5.92	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.18	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.592	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	479		mg/kg dry	11.8	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.18	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	22.0		mg/kg dry	1.18	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	37.6		mg/kg dry	1.78	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:44	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

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

Client Sample ID: 004/LSB-4

York Sample ID: 18H1037-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 10:10 am

08/22/2018

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	0.0442		mg/kg dry	0.0355	1	EPA 7473	08/27/2018 09:28	08/27/2018 18:04	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.4		%	0.100	1	SM 2540G	08/28/2018 12:44	08/28/2018 17:26	TJD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.592	1	EPA 7196A	08/27/2018 08:16	08/27/2018 18:53	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 11:40 am

08/22/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Sample Prepared by Medical Laboratory											
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:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	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:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 02:09	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 11:40 am

08/22/2018

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	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 02:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 02:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
67-64-1	Acetone	0.018	SCAL- E	mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 11:40 am

08/22/2018

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	0.0047	0.0093	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:09	SS



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 11:40 am

08/22/2018

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
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
75-65-0	tert-Butyl alcohol (TBA)	0.016	SCAL- E, J	mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 02:09	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.5 %	77-125								



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 11:40 am

08/22/2018

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: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	120 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
91-57-6	2-Methylnaphthalene	0.137		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 11:40 am

Date Received
08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
83-32-9	Acenaphthene	0.438		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
120-12-7	Anthracene	1.04		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,PADEP	08/28/2018 15:07	SR
56-55-3	Benzo(a)anthracene	2.16		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
50-32-8	Benzo(a)pyrene	2.18		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR
205-99-2	Benzo(b)fluoranthene	1.88		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications:	08/27/2018 12:45 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:07	SR



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 11:40 am

Date Received
08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	1.60		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
207-08-9	Benzo(k)fluoranthene	1.63		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
86-74-8	Carbazole	0.212		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
218-01-9	Chrysene	1.91		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
53-70-3	Dibenzo(a,h)anthracene	0.389		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
132-64-9	Dibenzofuran	0.302		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	SR
206-44-0	Fluoranthene	5.36		mg/kg dry	0.119	0.238	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 12:10	SR
86-73-7	Fluorene	0.457		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 11:40 am

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.35		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
91-20-3	Naphthalene	0.167		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	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	08/27/2018 12:45	08/28/2018 15:07	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
85-01-8	Phenanthrene	4.36		mg/kg dry	0.119	0.238	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 12:10	SR
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
129-00-0	Pyrene	4.04		mg/kg dry	0.119	0.238	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 12:10	SR
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 15:07	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	6.24 %	S-09								
4165-62-2	Surrogate: Phenol-d5	35.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	86.7 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	73.5 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	0.360 %	S-09								
1718-51-0	Surrogate: Terphenyl-d14	89.0 %									

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	8610		mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-36-0	Antimony	1.19		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

18H1037

Client Project ID

100732401

Matrix

Soil

Collection Date/Time

August 22, 2018 11:40 am

Date Received

08/22/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.30		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-39-3	Barium	78.2		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-41-7	Beryllium	0.126		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-43-9	Cadmium	0.458		mg/kg dry	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-70-2	Calcium	58600	B	mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-47-3	Chromium	13.7		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-48-4	Cobalt	6.34		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-50-8	Copper	19.9		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7439-89-6	Iron	12100	B	mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7439-92-1	Lead	455		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7439-95-4	Magnesium	3720	B	mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7439-96-5	Manganese	218		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-02-0	Nickel	29.9		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-09-7	Potassium	872		mg/kg dry	5.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-23-5	Sodium	695		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-62-2	Vanadium	18.2		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML
7440-66-6	Zinc	248		mg/kg dry	1.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:46	KML

Mercury by 7473

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 005/LSB-5

York Sample ID: 18H1037-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 11:40 am

08/22/2018

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	0.171		mg/kg dry	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/27/2018 09:28	08/27/2018 18:13	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/28/2018 12:44	08/28/2018 17:26	TJD

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	0.571	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/27/2018 08:16	08/27/2018 18:53	TJD

Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 02:37	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 02:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 02:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/24/2018 14:31	08/25/2018 02:37	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 02:37	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 02:37	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:31	08/25/2018 02:37	SS



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 02:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.077	0.15	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 NELAC-NY10854,NELAC-NY12058,NJDEP	08/25/2018 02:37	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
67-64-1	Acetone	0.063	SCAL-E	mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications:	08/24/2018 14:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/25/2018 02:37	SS



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
100-42-5	Styrene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-65-0	tert-Butyl alcohol (TBA)	0.055	SCAL- E	mg/kg dry	0.0038	0.038	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
108-88-3	Toluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.023	1	EPA 8260C Certifications:	08/24/2018 14:31	08/25/2018 02:37	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.6 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	116 %	76-130								



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

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Matrix

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18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
91-57-6	2-Methylnaphthalene	0.151		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

Client Project ID

Matrix

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18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
83-32-9	Acenaphthene	0.389		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
208-96-8	Acenaphthylene	0.0887	J	mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
120-12-7	Anthracene	1.63		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
56-55-3	Benzo(a)anthracene	2.86		mg/kg dry	0.232	0.462	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 12:40	SR
50-32-8	Benzo(a)pyrene	2.69		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
205-99-2	Benzo(b)fluoranthene	2.06		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
191-24-2	Benzo(g,h,i)perylene	1.37		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
207-08-9	Benzo(k)fluoranthene	1.80		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

Client Project ID

Matrix

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18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.123		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
86-74-8	Carbazole	0.241		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
218-01-9	Chrysene	2.82		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
53-70-3	Dibenzo(a,h)anthracene	0.456		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
132-64-9	Dibenzofuran	0.189		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
206-44-0	Fluoranthene	6.30		mg/kg dry	0.232	0.462	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 12:40	SR
86-73-7	Fluorene	0.550		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.21		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
91-20-3	Naphthalene	0.0975		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

18H1037

Client Project ID

100732401

Matrix

Soil

Collection Date/Time

August 22, 2018 1:50 pm

Date Received

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
85-01-8	Phenanthrene	7.12		mg/kg dry	0.232	0.462	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 12:40	SR
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
129-00-0	Pyrene	6.18		mg/kg dry	0.232	0.462	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 12:40	SR
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 18:39	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	13.9 %	A-01, S-04		20-108						
4165-62-2	Surrogate: Phenol-d5	51.1 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	51.6 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	65.0 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	1.76 %	A-01, S-04		19-110						
1718-51-0	Surrogate: Terphenyl-d14	87.2 %			24-116						

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	10000		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:48	KML
7440-36-0	Antimony	1.97		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:48	KML
7440-38-2	Arsenic	2.92		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:48	KML
7440-39-3	Barium	108		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:48	KML
7440-41-7	Beryllium	0.125		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:48	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:48	KML



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

18H1037

Client Project ID

100732401

Matrix

Soil

Collection Date/Time

August 22, 2018 1:50 pm

Date Received

08/22/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	48100	B	mg/kg dry	5.54	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	23.9		mg/kg dry	0.554	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	7.21		mg/kg dry	0.554	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	34.4		mg/kg dry	0.554	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	13700	B	mg/kg dry	2.22	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	80.9		mg/kg dry	0.554	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	5470	B	mg/kg dry	5.54	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	280		mg/kg dry	0.554	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	19.7		mg/kg dry	0.554	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1670		mg/kg dry	5.54	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	887		mg/kg dry	11.1	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	26.5		mg/kg dry	1.11	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	177		mg/kg dry	1.66	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:48	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.174		mg/kg dry	0.0333	1	EPA 7473	08/27/2018 09:28	08/27/2018 18:22	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 006/LSB-9

York Sample ID: 18H1037-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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	08/28/2018 12:44	08/28/2018 17:26	TJD

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	0.576		mg/kg dry	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/27/2018 08:16	08/27/2018 18:53	TJD

Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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	08/27/2018 07:30	08/27/2018 15:17	RDS
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	08/27/2018 07:30	08/27/2018 15:17	RDS
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	08/27/2018 07:30	08/27/2018 15:17	RDS
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	08/27/2018 07:30	08/27/2018 15:17	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
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	08/27/2018 07:30	08/27/2018 15:17	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 15:17	RDS
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	08/27/2018 07:30	08/27/2018 15:17	RDS



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
67-64-1	Acetone	0.031	CCV-E, SCAL-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:17	RDS



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:17	RDS



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

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
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
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	08/27/2018 07:30	08/27/2018 15:17	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
75-65-0	tert-Butyl alcohol (TBA)	0.016		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:17	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 15:17	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.1 %	77-125								
2037-26-5	Surrogate: Toluene-d8	96.6 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
91-57-6	2-Methylnaphthalene	0.0892	J	mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
83-32-9	Acenaphthene	0.267		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
208-96-8	Acenaphthylene	0.0632	J	mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
120-12-7	Anthracene	0.662		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
56-55-3	Benzo(a)anthracene	1.51		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
50-32-8	Benzo(a)pyrene	1.33		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
205-99-2	Benzo(b)fluoranthene	1.24		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
191-24-2	Benzo(g,h,i)perylene	0.719		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
207-08-9	Benzo(k)fluoranthene	1.08		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.143		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
86-74-8	Carbazole	0.291		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
218-01-9	Chrysene	1.32		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
53-70-3	Dibenzo(a,h)anthracene	0.220		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
132-64-9	Dibenzofuran	0.192		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
206-44-0	Fluoranthene	3.48		mg/kg dry	0.117	0.233	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/29/2018 13:10	SR
86-73-7	Fluorene	0.263		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.711		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
91-20-3	Naphthalene	0.0967		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 1:50 pm

Date Received
08/22/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
85-01-8	Phenanthrene	2.84		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
129-00-0	Pyrene	2.56		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:45	08/28/2018 19:09	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	10.7 %	S-04								
4165-62-2	Surrogate: Phenol-d5	47.9 %									
4165-60-0	Surrogate: Nitrobenzene-d5	52.1 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	69.8 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	0.920 %	S-04								
1718-51-0	Surrogate: Terphenyl-d14	87.9 %									

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	8160		mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:50	KML
7440-36-0	Antimony	1.21		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:50	KML
7440-38-2	Arsenic	2.93		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:50	KML
7440-39-3	Barium	90.8		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:50	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:50	KML
7440-43-9	Cadmium	0.604		mg/kg dry	0.335	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:50	KML
7440-70-2	Calcium	45400	B	mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 09:37	08/29/2018 12:50	KML



Sample Information

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.
18H1037

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 22, 2018 1:50 pm

Date Received
08/22/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	20.0		mg/kg dry	0.558	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	7.09		mg/kg dry	0.558	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	1800		mg/kg dry	0.558	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	12700	B	mg/kg dry	2.23	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	86.4		mg/kg dry	0.558	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	5520	B	mg/kg dry	5.58	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	283		mg/kg dry	0.558	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	18.2		mg/kg dry	0.558	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1750		mg/kg dry	5.58	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	609		mg/kg dry	11.2	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	25.7		mg/kg dry	1.12	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	104		mg/kg dry	1.67	1	EPA 6010C	08/29/2018 09:37	08/29/2018 12:50	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.300		mg/kg dry	0.0335	1	EPA 7473	08/27/2018 09:28	08/27/2018 18:31	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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

Client Sample ID: 007/Dup-1

York Sample ID: 18H1037-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Soil

August 22, 2018 1:50 pm

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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	89.7		%	0.100	1	SM 2540G	08/28/2018 12:44	08/28/2018 17:26	TJD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A	08/28/2018 08:20	08/28/2018 16:26	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: 008/TB-1

York Sample ID: 18H1037-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Water

August 22, 2018 1:00 pm

08/22/2018

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	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	08/24/2018 14:18	08/24/2018 18:26	SS
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: 008/TB-1

York Sample ID: 18H1037-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Water

August 22, 2018 1:00 pm

08/22/2018

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:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS



Sample Information

Client Sample ID: 008/TB-1

York Sample ID: 18H1037-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Water

August 22, 2018 1:00 pm

08/22/2018

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:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/24/2018 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/24/2018 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 18:26	SS



Sample Information

Client Sample ID: 008/TB-1

York Sample ID: 18H1037-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1037

100732401

Water

August 22, 2018 1:00 pm

08/22/2018

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	08/24/2018 14:18	08/24/2018 18:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	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	08/24/2018 14:18	08/24/2018 18:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	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	08/24/2018 14:18	08/24/2018 18:26	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	08/24/2018 14:18	08/24/2018 18:26	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/24/2018 14:18	08/24/2018 18:26	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/24/2018 14:18	08/24/2018 18:26	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130								
2037-26-5	Surrogate: Toluene-d8	93.2 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	95.7 %	70-130								



Analytical Batch Summary

Batch ID: BH81270 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-08	008/TB-1	08/24/18
BH81270-BLK1	Blank	08/24/18
BH81270-BS1	LCS	08/24/18
BH81270-BSD1	LCS Dup	08/24/18

Batch ID: BH81272 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-02	002/LSB-3	08/24/18
18H1037-03	003/LSB-2	08/24/18
18H1037-04	004/LSB-4	08/24/18
18H1037-05	005/LSB-5	08/24/18
18H1037-06	006/LSB-9	08/24/18
BH81272-BLK1	Blank	08/24/18
BH81272-BS1	LCS	08/24/18
BH81272-BSD1	LCS Dup	08/24/18

Batch ID: BH81300 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-01	001/LSB-1	08/27/18
18H1037-07	007/Dup-1	08/27/18
BH81300-BLK1	Blank	08/27/18
BH81300-BLK2	Blank	08/27/18
BH81300-BS1	LCS	08/27/18
BH81300-BSD1	LCS Dup	08/27/18

Batch ID: BH81305 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-01	001/LSB-1	08/27/18
18H1037-02	002/LSB-3	08/27/18
18H1037-03	003/LSB-2	08/27/18
18H1037-04	004/LSB-4	08/27/18
18H1037-05	005/LSB-5	08/27/18
18H1037-06	006/LSB-9	08/27/18
BH81305-BLK1	Blank	08/27/18
BH81305-SRM1	Reference	08/27/18

Batch ID: BH81312 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-01	001/LSB-1	08/27/18



18H1037-02	002/LSB-3	08/27/18
18H1037-03	003/LSB-2	08/27/18
18H1037-04	004/LSB-4	08/27/18
18H1037-05	005/LSB-5	08/27/18
18H1037-06	006/LSB-9	08/27/18
18H1037-07	007/Dup-1	08/27/18
BH81312-BLK1	Blank	08/27/18
BH81312-SRM1	Reference	08/27/18

Batch ID: BH81329 **Preparation Method:** EPA 3050B **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-01	001/LSB-1	08/29/18
18H1037-02	002/LSB-3	08/29/18
18H1037-03	003/LSB-2	08/29/18
18H1037-04	004/LSB-4	08/29/18
18H1037-05	005/LSB-5	08/29/18
18H1037-06	006/LSB-9	08/29/18
18H1037-07	007/Dup-1	08/29/18
BH81329-BLK1	Blank	08/27/18
BH81329-SRM1	Reference	08/27/18

Batch ID: BH81332 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-01	001/LSB-1	08/27/18
18H1037-01RE1	001/LSB-1	08/27/18
18H1037-02	002/LSB-3	08/27/18
18H1037-03	003/LSB-2	08/27/18
18H1037-04	004/LSB-4	08/27/18
18H1037-05	005/LSB-5	08/27/18
18H1037-05RE1	005/LSB-5	08/27/18
18H1037-06	006/LSB-9	08/27/18
18H1037-06RE1	006/LSB-9	08/27/18
18H1037-07	007/Dup-1	08/27/18
18H1037-07RE1	007/Dup-1	08/27/18
BH81332-BLK1	Blank	08/27/18
BH81332-BS1	LCS	08/27/18
BH81332-MS1	Matrix Spike	08/27/18
BH81332-MSD1	Matrix Spike Dup	08/27/18

Batch ID: BH81381 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-07	007/Dup-1	08/28/18
BH81381-BLK1	Blank	08/28/18
BH81381-DUP1	Duplicate	08/28/18
BH81381-MS1	Matrix Spike	08/28/18
BH81381-SRM1	Reference	08/28/18



Batch ID: BH81418

Preparation Method: % Solids Prep

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1037-01	001/LSB-1	08/28/18
18H1037-02	002/LSB-3	08/28/18
18H1037-03	003/LSB-2	08/28/18
18H1037-04	004/LSB-4	08/28/18
18H1037-05	005/LSB-5	08/28/18
18H1037-06	006/LSB-9	08/28/18
18H1037-07	007/Dup-1	08/28/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81270 - EPA 5030B											
Blank (BH81270-BLK1)										Prepared & Analyzed: 08/24/2018	
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-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	0.500	"								
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	"								
Ethyl Benzene	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 BH81270 - EPA 5030B

Blank (BH81270-BLK1)

Prepared & Analyzed: 08/24/2018

Hexachlorobutadiene	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	1.00	"								
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 acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	70-130				
Surrogate: Toluene-d8	9.78		"	10.0		97.8	70-130				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	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	Limit	Flag
Batch BH81270 - EPA 5030B											
LCS (BH81270-BS1)						Prepared & Analyzed: 08/24/2018					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126			30	
1,1,1-Trichloroethane	11.0		"	10.0		110	70-130			20	
1,1,2,2-Tetrachloroethane	9.70		"	10.0		97.0	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	70-130			20	
1,1,2-Trichloroethane	9.77		"	10.0		97.7	70-130			20	
1,1-Dichloroethane	10.9		"	10.0		109	70-130			20	
1,1-Dichloroethylene	10.8		"	10.0		108	70-130			20	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133			30	
1,2,3-Trichlorobenzene	9.34		"	10.0		93.4	70-130			20	
1,2,3-Trichloropropane	9.95		"	10.0		99.5	77-128			30	
1,2,4-Trichlorobenzene	9.25		"	10.0		92.5	70-130			20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132			20	
1,2-Dibromo-3-chloropropane	9.71		"	10.0		97.1	40-160			20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130			20	
1,2-Dichlorobenzene	10.0		"	10.0		100	70-130			20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130			20	
1,2-Dichloropropane	7.99		"	10.0		79.9	70-130			20	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131			30	
1,3-Dichlorobenzene	9.97		"	10.0		99.7	70-130			20	
1,3-Dichloropropane	10.4		"	10.0		104	81-125			30	
1,4-Dichlorobenzene	9.90		"	10.0		99.0	70-130			20	
1,4-Dioxane	299		"	210		142	40-160			20	
2,2-Dichloropropane	10.6		"	10.0		106	56-150			30	
2-Butanone	11.3		"	10.0		113	40-160			20	
2-Chlorotoluene	10.3		"	10.0		103	79-130			30	
2-Hexanone	11.3		"	10.0		113	40-160			20	
4-Chlorotoluene	10.2		"	10.0		102	79-128			30	
4-Methyl-2-pentanone	8.75		"	10.0		87.5	40-160			20	
Acetone	11.6		"	10.0		116	40-160			20	
Acrolein	12.9		"	10.0		129	10-153			30	
Acrylonitrile	7.93		"	10.0		79.3	51-150			30	
Benzene	10.9		"	10.0		109	70-130			20	
Bromobenzene	9.92		"	10.0		99.2	78-129			30	
Bromochloromethane	10.4		"	10.0		104	70-130			20	
Bromodichloromethane	8.13		"	10.0		81.3	70-130			20	
Bromoform	9.97		"	10.0		99.7	70-130			20	
Bromomethane	4.74		"	10.0		47.4	40-160			20	
Carbon disulfide	12.2		"	10.0		122	40-160			20	
Carbon tetrachloride	11.3		"	10.0		113	70-130			20	
Chlorobenzene	10.3		"	10.0		103	70-130			20	
Chloroethane	9.96		"	10.0		99.6	40-160			20	
Chloroform	10.5		"	10.0		105	70-130			20	
Chloromethane	9.63		"	10.0		96.3	40-160			20	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130			20	
cis-1,3-Dichloropropylene	8.39		"	10.0		83.9	70-130			20	
Cyclohexane	11.3		"	10.0		113	70-130			20	
Dibromochloromethane	10.5		"	10.0		105	70-130			20	
Dibromomethane	8.25		"	10.0		82.5	72-134			30	
Dichlorodifluoromethane	12.4		"	10.0		124	40-160			20	
Ethyl Benzene	10.7		"	10.0		107	70-130			20	
Hexachlorobutadiene	9.64		"	10.0		96.4	67-146			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 BH81270 - EPA 5030B

LCS (BH81270-BS1)

Prepared & Analyzed: 08/24/2018

Isopropylbenzene	10.3		ug/L	10.0		103	70-130			20	
Methyl acetate	10.3		"	10.0		103	70-130			20	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130			20	
Methylcyclohexane	8.68		"	10.0		86.8	70-130			20	
Methylene chloride	10.7		"	10.0		107	70-130			20	
n-Butylbenzene	10.5		"	10.0		105	79-132			30	
n-Propylbenzene	10.3		"	10.0		103	78-133			30	
o-Xylene	10.9		"	10.0		109	70-130			20	
p- & m- Xylenes	19.2		"	20.0		96.2	70-130			20	
p-Isopropyltoluene	10.6		"	10.0		106	81-136			30	
sec-Butylbenzene	10.9		"	10.0		109	79-137			30	
Styrene	10.2		"	10.0		102	70-130			20	
tert-Butyl alcohol (TBA)	58.9		"	50.0		118	25-162			30	
tert-Butylbenzene	10.4		"	10.0		104	77-138			30	
Tetrachloroethylene	8.14		"	10.0		81.4	70-130			20	
Toluene	8.87		"	10.0		88.7	70-130			20	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130			20	
trans-1,3-Dichloropropylene	8.61		"	10.0		86.1	70-130			20	
Trichloroethylene	8.67		"	10.0		86.7	70-130			20	
Trichlorofluoromethane	10.8		"	10.0		108	40-160			20	
Vinyl acetate	15.8		"	10.0		158	21-90	High Bias		30	
Vinyl Chloride	10.7		"	10.0		107	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	9.50		"	10.0		95.0	70-130				
Surrogate: Toluene-d8	8.41		"	10.0		84.1	70-130				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	70-130				

LCS Dup (BH81270-BS1)

Prepared & Analyzed: 08/24/2018

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		1.04	30	
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130		2.43	20	
1,1,2,2-Tetrachloroethane	9.67		"	10.0		96.7	70-130		0.310	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	70-130		0.658	20	
1,1,2-Trichloroethane	9.86		"	10.0		98.6	70-130		0.917	20	
1,1-Dichloroethane	11.3		"	10.0		113	70-130		2.88	20	
1,1-Dichloroethylene	11.9		"	10.0		119	70-130		9.81	20	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133		5.05	30	
1,2,3-Trichlorobenzene	9.45		"	10.0		94.5	70-130		1.17	20	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		0.801	30	
1,2,4-Trichlorobenzene	9.51		"	10.0		95.1	70-130		2.77	20	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		3.54	20	
1,2-Dibromo-3-chloropropane	9.62		"	10.0		96.2	40-160		0.931	20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130		0.0992	20	
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130		2.86	20	
1,2-Dichloroethane	11.0		"	10.0		110	70-130		6.27	20	
1,2-Dichloropropane	10.3		"	10.0		103	70-130		25.0	20	Non-dir.
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		4.53	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	70-130		2.67	20	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		0.484	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	70-130		3.57	20	
1,4-Dioxane	297		"	210		142	40-160		0.487	20	
2,2-Dichloropropane	11.0		"	10.0		110	56-150		4.63	30	
2-Butanone	12.8		"	10.0		128	40-160		12.4	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 BH81270 - EPA 5030B											
LCS Dup (BH81270-BSD1)						Prepared & Analyzed: 08/24/2018					
2-Chlorotoluene	10.6		ug/L	10.0		106	79-130		2.68	30	
2-Hexanone	11.7		"	10.0		117	40-160		3.55	20	
4-Chlorotoluene	10.5		"	10.0		105	79-128		2.81	30	
4-Methyl-2-pentanone	11.3		"	10.0		113	40-160		25.6	20	Non-dir.
Acetone	13.1		"	10.0		131	40-160		11.7	20	
Acrolein	13.0		"	10.0		130	10-153		1.31	30	
Acrylonitrile	8.43		"	10.0		84.3	51-150		6.11	30	
Benzene	10.7		"	10.0		107	70-130		1.39	20	
Bromobenzene	10.3		"	10.0		103	78-129		3.95	30	
Bromochloromethane	10.8		"	10.0		108	70-130		4.72	20	
Bromodichloromethane	10.2		"	10.0		102	70-130		22.4	20	Non-dir.
Bromoform	10.1		"	10.0		101	70-130		1.49	20	
Bromomethane	4.70		"	10.0		47.0	40-160		0.847	20	
Carbon disulfide	12.4		"	10.0		124	40-160		1.70	20	
Carbon tetrachloride	11.5		"	10.0		115	70-130		1.67	20	
Chlorobenzene	10.4		"	10.0		104	70-130		0.867	20	
Chloroethane	9.78		"	10.0		97.8	40-160		1.82	20	
Chloroform	10.6		"	10.0		106	70-130		0.946	20	
Chloromethane	8.07		"	10.0		80.7	40-160		17.6	20	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	70-130		4.42	20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130		19.9	20	
Cyclohexane	11.9		"	10.0		119	70-130		5.24	20	
Dibromochloromethane	10.3		"	10.0		103	70-130		1.35	20	
Dibromomethane	10.2		"	10.0		102	72-134		21.2	30	
Dichlorodifluoromethane	10.2		"	10.0		102	40-160		18.8	20	
Ethyl Benzene	11.0		"	10.0		110	70-130		2.67	20	
Hexachlorobutadiene	10.1		"	10.0		101	67-146		4.86	30	
Isopropylbenzene	10.8		"	10.0		108	70-130		5.50	20	
Methyl acetate	10.5		"	10.0		105	70-130		1.54	20	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130		1.18	20	
Methylcyclohexane	11.2		"	10.0		112	70-130		25.4	20	Non-dir.
Methylene chloride	11.4		"	10.0		114	70-130		6.08	20	
n-Butylbenzene	11.0		"	10.0		110	79-132		4.73	30	
n-Propylbenzene	10.9		"	10.0		109	78-133		5.55	30	
o-Xylene	11.0		"	10.0		110	70-130		1.19	20	
p- & m- Xylenes	19.6		"	20.0		98.2	70-130		2.06	20	
p-Isopropyltoluene	11.1		"	10.0		111	81-136		4.90	30	
sec-Butylbenzene	11.4		"	10.0		114	79-137		5.11	30	
Styrene	10.4		"	10.0		104	70-130		1.84	20	
tert-Butyl alcohol (TBA)	57.8		"	50.0		116	25-162		1.88	30	
tert-Butylbenzene	11.0		"	10.0		110	77-138		5.15	30	
Tetrachloroethylene	8.16		"	10.0		81.6	70-130		0.245	20	
Toluene	10.6		"	10.0		106	70-130		17.8	20	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	70-130		6.30	20	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130		15.1	20	
Trichloroethylene	11.0		"	10.0		110	70-130		23.9	20	Non-dir.
Trichlorofluoromethane	10.6		"	10.0		106	40-160		1.50	20	
Vinyl acetate	15.5		"	10.0		155	21-90	High Bias	1.85	30	
Vinyl Chloride	9.00		"	10.0		90.0	70-130		17.0	20	
Surrogate: 1,2-Dichloroethane-d4	9.99		"	10.0		99.9	70-130				
Surrogate: Toluene-d8	9.87		"	10.0		98.7	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 BH81270 - EPA 5030B

LCS Dup (BH81270-BSD1)

Prepared & Analyzed: 08/24/2018

Surrogate: <i>p</i> -Bromofluorobenzene	10.2		ug/L	10.0		102	70-130				
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Batch BH81272 - EPA 5035A

Blank (BH81272-BLK1)

Prepared & Analyzed: 08/24/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"



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 BH81272 - EPA 5035A

Blank (BH81272-BLK1)

Prepared & Analyzed: 08/24/2018

Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.025	"								
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 acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: 1,2-Dichloroethane-d4	50.1		ug/L	50.0		100	77-125				
Surrogate: Toluene-d8	50.5		"	50.0		101	85-120				
Surrogate: p-Bromofluorobenzene	55.6		"	50.0		111	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 BH81272 - EPA 5035A											
LCS (BH81272-BS1)						Prepared & Analyzed: 08/24/2018					
1,1,1,2-Tetrachloroethane	48.4		ug/L	50.0		96.9	75-129				
1,1,1-Trichloroethane	48.9		"	50.0		97.8	71-137				
1,1,2,2-Tetrachloroethane	49.2		"	50.0		98.4	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.9		"	50.0		97.8	58-146				
1,1,2-Trichloroethane	48.1		"	50.0		96.1	83-123				
1,1-Dichloroethane	48.9		"	50.0		97.8	75-130				
1,1-Dichloroethylene	47.4		"	50.0		94.7	64-137				
1,1-Dichloropropylene	48.6		"	50.0		97.2	77-127				
1,2,3-Trichlorobenzene	45.8		"	50.0		91.5	81-140				
1,2,3-Trichloropropane	47.0		"	50.0		93.9	81-126				
1,2,4-Trichlorobenzene	42.6		"	50.0		85.2	80-141				
1,2,4-Trimethylbenzene	47.8		"	50.0		95.6	84-125				
1,2-Dibromo-3-chloropropane	46.0		"	50.0		92.0	74-142				
1,2-Dibromoethane	49.8		"	50.0		99.5	86-123				
1,2-Dichlorobenzene	47.1		"	50.0		94.2	85-122				
1,2-Dichloroethane	49.5		"	50.0		99.1	71-133				
1,2-Dichloropropane	47.8		"	50.0		95.7	81-122				
1,3,5-Trimethylbenzene	48.3		"	50.0		96.6	82-126				
1,3-Dichlorobenzene	45.5		"	50.0		91.1	84-124				
1,3-Dichloropropane	49.8		"	50.0		99.6	83-123				
1,4-Dichlorobenzene	44.7		"	50.0		89.3	84-124				
1,4-Dioxane	1080		"	1050		103	10-228				
2,2-Dichloropropane	46.6		"	50.0		93.2	67-136				
2-Butanone	47.7		"	50.0		95.5	58-147				
2-Chlorotoluene	47.3		"	50.0		94.6	78-127				
2-Hexanone	54.7		"	50.0		109	70-139				
4-Chlorotoluene	46.9		"	50.0		93.9	79-125				
4-Methyl-2-pentanone	53.8		"	50.0		108	72-132				
Acetone	42.2		"	50.0		84.4	36-155				
Acrolein	34.9		"	50.0		69.7	10-238				
Acrylonitrile	47.6		"	50.0		95.2	66-141				
Benzene	47.8		"	50.0		95.5	77-127				
Bromobenzene	47.4		"	50.0		94.7	77-129				
Bromochloromethane	47.7		"	50.0		95.4	74-129				
Bromodichloromethane	47.7		"	50.0		95.4	81-124				
Bromoform	47.8		"	50.0		95.6	80-136				
Bromomethane	51.9		"	50.0		104	32-177				
Carbon disulfide	50.4		"	50.0		101	10-136				
Carbon tetrachloride	48.9		"	50.0		97.9	66-143				
Chlorobenzene	47.5		"	50.0		94.9	86-120				
Chloroethane	52.8		"	50.0		106	51-142				
Chloroform	48.2		"	50.0		96.3	76-131				
Chloromethane	43.8		"	50.0		87.6	49-132				
cis-1,2-Dichloroethylene	48.8		"	50.0		97.5	74-132				
cis-1,3-Dichloropropylene	48.0		"	50.0		96.0	81-129				
Cyclohexane	53.9		"	50.0		108	70-130				
Dibromochloromethane	50.2		"	50.0		100	10-200				
Dibromomethane	48.0		"	50.0		95.9	83-124				
Dichlorodifluoromethane	47.3		"	50.0		94.6	28-158				
Ethyl Benzene	48.1		"	50.0		96.1	84-125				
Hexachlorobutadiene	49.8		"	50.0		99.7	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81272 - EPA 5035A

LCS (BH81272-BS1)

Prepared & Analyzed: 08/24/2018

Isopropylbenzene	47.4		ug/L	50.0		94.8	81-127				
Methyl acetate	51.9		"	50.0		104	41-143				
Methyl tert-butyl ether (MTBE)	45.6		"	50.0		91.2	74-131				
Methylcyclohexane	49.1		"	50.0		98.3	70-130				
Methylene chloride	36.7		"	50.0		73.4	57-141				
n-Butylbenzene	55.4		"	50.0		111	80-130				
n-Propylbenzene	47.4		"	50.0		94.9	74-136				
o-Xylene	48.7		"	50.0		97.4	83-123				
p- & m- Xylenes	96.1		"	100		96.1	82-128				
p-Isopropyltoluene	48.6		"	50.0		97.1	85-125				
sec-Butylbenzene	52.3		"	50.0		105	83-125				
Styrene	46.4		"	50.0		92.8	86-126				
tert-Butyl alcohol (TBA)	266		"	250		106	70-130				
tert-Butylbenzene	42.5		"	50.0		85.0	80-127				
Tetrachloroethylene	46.1		"	50.0		92.2	80-129				
Toluene	47.5		"	50.0		95.0	85-121				
trans-1,2-Dichloroethylene	47.6		"	50.0		95.1	72-132				
trans-1,3-Dichloropropylene	47.3		"	50.0		94.7	78-132				
Trichloroethylene	48.9		"	50.0		97.9	84-123				
Trichlorofluoromethane	51.1		"	50.0		102	62-140				
Vinyl acetate	89.2		"	50.0		178	67-136	High Bias			
Vinyl Chloride	52.2		"	50.0		104	52-130				
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		100	77-125				
Surrogate: Toluene-d8	50.6		"	50.0		101	85-120				
Surrogate: p-Bromofluorobenzene	51.6		"	50.0		103	76-130				

LCS Dup (BH81272-BS1)

Prepared & Analyzed: 08/24/2018

1,1,1,2-Tetrachloroethane	49.2		ug/L	50.0		98.4	75-129		1.60	30	
1,1,1-Trichloroethane	49.9		"	50.0		99.7	71-137		1.98	30	
1,1,2,2-Tetrachloroethane	49.1		"	50.0		98.2	79-129		0.163	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0		100	58-146		2.18	30	
1,1,2-Trichloroethane	48.4		"	50.0		96.7	83-123		0.643	30	
1,1-Dichloroethane	49.4		"	50.0		98.8	75-130		1.10	30	
1,1-Dichloroethylene	47.6		"	50.0		95.1	64-137		0.421	30	
1,1-Dichloropropylene	48.8		"	50.0		97.6	77-127		0.472	30	
1,2,3-Trichlorobenzene	46.5		"	50.0		93.1	81-140		1.71	30	
1,2,3-Trichloropropane	48.8		"	50.0		97.5	81-126		3.76	30	
1,2,4-Trichlorobenzene	42.8		"	50.0		85.5	80-141		0.398	30	
1,2,4-Trimethylbenzene	48.0		"	50.0		95.9	84-125		0.292	30	
1,2-Dibromo-3-chloropropane	49.3		"	50.0		98.7	74-142		6.94	30	
1,2-Dibromoethane	50.3		"	50.0		101	86-123		1.10	30	
1,2-Dichlorobenzene	47.7		"	50.0		95.3	85-122		1.20	30	
1,2-Dichloroethane	48.9		"	50.0		97.8	71-133		1.32	30	
1,2-Dichloropropane	48.7		"	50.0		97.4	81-122		1.82	30	
1,3,5-Trimethylbenzene	48.6		"	50.0		97.1	82-126		0.496	30	
1,3-Dichlorobenzene	45.2		"	50.0		90.4	84-124		0.705	30	
1,3-Dichloropropane	50.6		"	50.0		101	83-123		1.51	30	
1,4-Dichlorobenzene	45.2		"	50.0		90.3	84-124		1.07	30	
1,4-Dioxane	1080		"	1050		103	10-228		0.534	30	
2,2-Dichloropropane	46.9		"	50.0		93.8	67-136		0.641	30	
2-Butanone	49.4		"	50.0		98.8	58-147		3.46	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 BH81272 - EPA 5035A											
LCS Dup (BH81272-BSD1)						Prepared & Analyzed: 08/24/2018					
2-Chlorotoluene	42.9		ug/L	50.0		85.9	78-127		9.73	30	
2-Hexanone	52.9		"	50.0		106	70-139		3.33	30	
4-Chlorotoluene	47.8		"	50.0		95.6	79-125		1.79	30	
4-Methyl-2-pentanone	54.0		"	50.0		108	72-132		0.445	30	
Acetone	41.0		"	50.0		81.9	36-155		3.03	30	
Acrolein	34.6		"	50.0		69.2	10-238		0.835	30	
Acrylonitrile	47.9		"	50.0		95.8	66-141		0.649	30	
Benzene	47.5		"	50.0		95.1	77-127		0.441	30	
Bromobenzene	48.2		"	50.0		96.4	77-129		1.78	30	
Bromochloromethane	47.5		"	50.0		94.9	74-129		0.441	30	
Bromodichloromethane	48.6		"	50.0		97.1	81-124		1.77	30	
Bromoform	48.6		"	50.0		97.2	80-136		1.68	30	
Bromomethane	47.4		"	50.0		94.9	32-177		9.00	30	
Carbon disulfide	51.4		"	50.0		103	10-136		1.81	30	
Carbon tetrachloride	49.5		"	50.0		99.0	66-143		1.10	30	
Chlorobenzene	48.3		"	50.0		96.7	86-120		1.80	30	
Chloroethane	49.4		"	50.0		98.7	51-142		6.83	30	
Chloroform	48.6		"	50.0		97.2	76-131		0.930	30	
Chloromethane	44.1		"	50.0		88.3	49-132		0.728	30	
cis-1,2-Dichloroethylene	48.4		"	50.0		96.7	74-132		0.865	30	
cis-1,3-Dichloropropylene	48.2		"	50.0		96.3	81-129		0.291	30	
Cyclohexane	54.4		"	50.0		109	70-130		0.923	30	
Dibromochloromethane	50.4		"	50.0		101	10-200		0.398	30	
Dibromomethane	48.1		"	50.0		96.3	83-124		0.354	30	
Dichlorodifluoromethane	47.2		"	50.0		94.5	28-158		0.106	30	
Ethyl Benzene	49.3		"	50.0		98.5	84-125		2.49	30	
Hexachlorobutadiene	50.4		"	50.0		101	83-133		1.14	30	
Isopropylbenzene	48.7		"	50.0		97.5	81-127		2.72	30	
Methyl acetate	51.2		"	50.0		102	41-143		1.30	30	
Methyl tert-butyl ether (MTBE)	45.3		"	50.0		90.6	74-131		0.704	30	
Methylcyclohexane	50.4		"	50.0		101	70-130		2.51	30	
Methylene chloride	37.0		"	50.0		74.0	57-141		0.787	30	
n-Butylbenzene	56.1		"	50.0		112	80-130		1.31	30	
n-Propylbenzene	48.6		"	50.0		97.2	74-136		2.46	30	
o-Xylene	49.7		"	50.0		99.3	83-123		1.99	30	
p- & m- Xylenes	97.9		"	100		97.9	82-128		1.89	30	
p-Isopropyltoluene	50.3		"	50.0		101	85-125		3.60	30	
sec-Butylbenzene	53.2		"	50.0		106	83-125		1.69	30	
Styrene	46.9		"	50.0		93.8	86-126		1.09	30	
tert-Butyl alcohol (TBA)	259		"	250		104	70-130		2.48	30	
tert-Butylbenzene	43.9		"	50.0		87.8	80-127		3.19	30	
Tetrachloroethylene	46.9		"	50.0		93.8	80-129		1.70	30	
Toluene	48.2		"	50.0		96.4	85-121		1.42	30	
trans-1,2-Dichloroethylene	47.5		"	50.0		95.0	72-132		0.105	30	
trans-1,3-Dichloropropylene	47.8		"	50.0		95.6	78-132		0.988	30	
Trichloroethylene	49.7		"	50.0		99.4	84-123		1.54	30	
Trichlorofluoromethane	47.4		"	50.0		94.7	62-140		7.56	30	
Vinyl acetate	81.8		"	50.0		164	67-136	High Bias	8.61	30	
Vinyl Chloride	49.7		"	50.0		99.4	52-130		4.93	30	
Surrogate: 1,2-Dichloroethane-d4	49.9		"	50.0		99.8	77-125				
Surrogate: Toluene-d8	51.4		"	50.0		103	85-120				



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 BH81272 - EPA 5035A

LCS Dup (BH81272-BSD1)

Prepared & Analyzed: 08/24/2018

Surrogate: <i>p</i> -Bromofluorobenzene	52.4		ug/L	50.0		105	76-130				
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Batch BH81300 - EPA 5035A

Blank (BH81300-BLK1)

Prepared & Analyzed: 08/27/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"



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 BH81300 - EPA 5035A

Blank (BH81300-BLK1)

Prepared & Analyzed: 08/27/2018

Dibromochloromethane	ND	0.0050	mg/kg wet								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: 1,2-Dichloroethane-d4	49.3		ug/L	50.0		98.6	77-125				
Surrogate: Toluene-d8	49.2		"	50.0		98.5	85-120				
Surrogate: p-Bromofluorobenzene	50.5		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81300 - EPA 5035A

Blank (BH81300-BLK2)

Prepared & Analyzed: 08/27/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	10	"
2,2-Dichloropropane	ND	0.50	"
2-Butanone	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	1.0	"
Acrolein	ND	1.0	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"



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 BH81300 - EPA 5035A

Blank (BH81300-BLK2)

Prepared & Analyzed: 08/27/2018

Isopropylbenzene	ND	0.50	mg/kg wet
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	ND	1.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl acetate	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	48.7	ug/L	50.0	97.4	77-125
Surrogate: Toluene-d8	49.0	"	50.0	98.0	85-120
Surrogate: p-Bromofluorobenzene	49.8	"	50.0	99.6	76-130

LCS (BH81300-BS1)

Prepared & Analyzed: 08/27/2018

1,1,1,2-Tetrachloroethane	48.6	ug/L	50.0	97.3	75-129
1,1,1-Trichloroethane	48.2	"	50.0	96.5	71-137
1,1,2,2-Tetrachloroethane	41.8	"	50.0	83.6	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8	"	50.0	99.6	58-146
1,1,2-Trichloroethane	45.0	"	50.0	90.1	83-123
1,1-Dichloroethane	46.7	"	50.0	93.4	75-130
1,1-Dichloroethylene	43.8	"	50.0	87.6	64-137
1,1-Dichloropropylene	46.3	"	50.0	92.7	77-127
1,2,3-Trichlorobenzene	49.2	"	50.0	98.3	81-140
1,2,3-Trichloropropane	46.9	"	50.0	93.7	81-126
1,2,4-Trichlorobenzene	50.8	"	50.0	102	80-141
1,2,4-Trimethylbenzene	45.3	"	50.0	90.6	84-125
1,2-Dibromo-3-chloropropane	39.0	"	50.0	78.0	74-142
1,2-Dibromoethane	48.0	"	50.0	96.1	86-123
1,2-Dichlorobenzene	50.4	"	50.0	101	85-122
1,2-Dichloroethane	48.2	"	50.0	96.5	71-133
1,2-Dichloropropane	41.3	"	50.0	82.6	81-122
1,3,5-Trimethylbenzene	43.9	"	50.0	87.9	82-126
1,3-Dichlorobenzene	49.4	"	50.0	98.9	84-124
1,3-Dichloropropane	43.9	"	50.0	87.8	83-123
1,4-Dichlorobenzene	50.3	"	50.0	101	84-124
1,4-Dioxane	968	"	1050	92.2	10-228
2,2-Dichloropropane	47.1	"	50.0	94.2	67-136



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81300 - EPA 5035A											
LCS (BH81300-BS1)						Prepared & Analyzed: 08/27/2018					
2-Butanone	53.9		ug/L	50.0		108	58-147				
2-Chlorotoluene	38.2		"	50.0		76.3	78-127	Low Bias			
2-Hexanone	43.4		"	50.0		86.7	70-139				
4-Chlorotoluene	43.0		"	50.0		86.1	79-125				
4-Methyl-2-pentanone	43.2		"	50.0		86.5	72-132				
Acetone	54.4		"	50.0		109	36-155				
Acrolein	39.4		"	50.0		78.9	10-238				
Acrylonitrile	46.4		"	50.0		92.8	66-141				
Benzene	47.5		"	50.0		95.0	77-127				
Bromobenzene	40.2		"	50.0		80.4	77-129				
Bromochloromethane	47.0		"	50.0		94.0	74-129				
Bromodichloromethane	42.6		"	50.0		85.1	81-124				
Bromoform	52.4		"	50.0		105	80-136				
Bromomethane	48.5		"	50.0		96.9	32-177				
Carbon disulfide	49.1		"	50.0		98.3	10-136				
Carbon tetrachloride	49.9		"	50.0		99.7	66-143				
Chlorobenzene	47.6		"	50.0		95.2	86-120				
Chloroethane	41.1		"	50.0		82.2	51-142				
Chloroform	48.4		"	50.0		96.7	76-131				
Chloromethane	37.3		"	50.0		74.6	49-132				
cis-1,2-Dichloroethylene	45.9		"	50.0		91.7	74-132				
cis-1,3-Dichloropropylene	42.4		"	50.0		84.7	81-129				
Cyclohexane	42.0		"	50.0		83.9	70-130				
Dibromochloromethane	49.7		"	50.0		99.4	10-200				
Dibromomethane	43.5		"	50.0		87.1	83-124				
Dichlorodifluoromethane	38.0		"	50.0		75.9	28-158				
Ethyl Benzene	45.2		"	50.0		90.5	84-125				
Hexachlorobutadiene	51.1		"	50.0		102	83-133				
Isopropylbenzene	41.8		"	50.0		83.5	81-127				
Methyl acetate	41.2		"	50.0		82.5	41-143				
Methyl tert-butyl ether (MTBE)	44.0		"	50.0		88.0	74-131				
Methylcyclohexane	41.4		"	50.0		82.9	70-130				
Methylene chloride	46.1		"	50.0		92.1	57-141				
n-Butylbenzene	38.7		"	50.0		77.4	80-130	Low Bias			
n-Propylbenzene	41.7		"	50.0		83.5	74-136				
o-Xylene	45.4		"	50.0		90.9	83-123				
p- & m- Xylenes	90.9		"	100		90.9	82-128				
p-Isopropyltoluene	47.2		"	50.0		94.4	85-125				
sec-Butylbenzene	46.0		"	50.0		92.0	83-125				
Styrene	45.6		"	50.0		91.1	86-126				
tert-Butyl alcohol (TBA)	222		"	250		88.8	70-130				
tert-Butylbenzene	39.0		"	50.0		78.1	80-127	Low Bias			
Tetrachloroethylene	48.7		"	50.0		97.4	80-129				
Toluene	44.8		"	50.0		89.5	85-121				
trans-1,2-Dichloroethylene	44.5		"	50.0		89.0	72-132				
trans-1,3-Dichloropropylene	42.2		"	50.0		84.5	78-132				
Trichloroethylene	45.1		"	50.0		90.2	84-123				
Trichlorofluoromethane	40.3		"	50.0		80.6	62-140				
Vinyl acetate	113		"	50.0		226	67-136	High Bias			
Vinyl Chloride	40.2		"	50.0		80.5	52-130				
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		99.9	77-125				



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 BH81300 - EPA 5035A											
LCS (BH81300-BS1)						Prepared & Analyzed: 08/27/2018					
Surrogate: Toluene-d8	47.5		ug/L	50.0		95.0	85-120				
Surrogate: p-Bromofluorobenzene	44.3		"	50.0		88.7	76-130				
LCS Dup (BH81300-BSD1)						Prepared & Analyzed: 08/27/2018					
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.8	75-129		0.574	30	
1,1,1-Trichloroethane	49.6		"	50.0		99.3	71-137		2.84	30	
1,1,2,2-Tetrachloroethane	41.7		"	50.0		83.4	79-129		0.263	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.4		"	50.0		103	58-146		3.10	30	
1,1,2-Trichloroethane	46.8		"	50.0		93.5	83-123		3.79	30	
1,1-Dichloroethane	47.2		"	50.0		94.4	75-130		1.07	30	
1,1-Dichloroethylene	44.4		"	50.0		88.7	64-137		1.29	30	
1,1-Dichloropropylene	47.4		"	50.0		94.8	77-127		2.28	30	
1,2,3-Trichlorobenzene	49.9		"	50.0		99.8	81-140		1.51	30	
1,2,3-Trichloropropane	45.1		"	50.0		90.2	81-126		3.81	30	
1,2,4-Trichlorobenzene	51.6		"	50.0		103	80-141		1.46	30	
1,2,4-Trimethylbenzene	45.5		"	50.0		91.0	84-125		0.418	30	
1,2-Dibromo-3-chloropropane	40.3		"	50.0		80.5	74-142		3.23	30	
1,2-Dibromoethane	48.4		"	50.0		96.8	86-123		0.726	30	
1,2-Dichlorobenzene	50.5		"	50.0		101	85-122		0.258	30	
1,2-Dichloroethane	49.3		"	50.0		98.5	71-133		2.11	30	
1,2-Dichloropropane	41.6		"	50.0		83.1	81-122		0.700	30	
1,3,5-Trimethylbenzene	43.7		"	50.0		87.4	82-126		0.548	30	
1,3-Dichlorobenzene	49.2		"	50.0		98.4	84-124		0.487	30	
1,3-Dichloropropane	44.6		"	50.0		89.3	83-123		1.69	30	
1,4-Dichlorobenzene	50.0		"	50.0		100	84-124		0.459	30	
1,4-Dioxane	995		"	1050		94.7	10-228		2.69	30	
2,2-Dichloropropane	48.3		"	50.0		96.6	67-136		2.54	30	
2-Butanone	54.2		"	50.0		108	58-147		0.518	30	
2-Chlorotoluene	42.5		"	50.0		85.0	78-127		10.7	30	
2-Hexanone	45.5		"	50.0		91.1	70-139		4.91	30	
4-Chlorotoluene	42.6		"	50.0		85.3	79-125		0.910	30	
4-Methyl-2-pentanone	44.9		"	50.0		89.9	72-132		3.88	30	
Acetone	57.4		"	50.0		115	36-155		5.26	30	
Acrolein	41.4		"	50.0		82.8	10-238		4.90	30	
Acrylonitrile	47.8		"	50.0		95.5	66-141		2.93	30	
Benzene	48.8		"	50.0		97.6	77-127		2.70	30	
Bromobenzene	39.2		"	50.0		78.3	77-129		2.55	30	
Bromochloromethane	46.6		"	50.0		93.2	74-129		0.812	30	
Bromodichloromethane	42.8		"	50.0		85.6	81-124		0.562	30	
Bromoform	53.0		"	50.0		106	80-136		1.12	30	
Bromomethane	50.9		"	50.0		102	32-177		4.97	30	
Carbon disulfide	49.9		"	50.0		99.8	10-136		1.56	30	
Carbon tetrachloride	50.5		"	50.0		101	66-143		1.18	30	
Chlorobenzene	48.2		"	50.0		96.4	86-120		1.27	30	
Chloroethane	42.8		"	50.0		85.5	51-142		3.94	30	
Chloroform	49.6		"	50.0		99.3	76-131		2.57	30	
Chloromethane	38.6		"	50.0		77.3	49-132		3.58	30	
cis-1,2-Dichloroethylene	46.2		"	50.0		92.3	74-132		0.674	30	
cis-1,3-Dichloropropylene	43.0		"	50.0		86.0	81-129		1.52	30	
Cyclohexane	43.6		"	50.0		87.2	70-130		3.86	30	
Dibromochloromethane	50.3		"	50.0		101	10-200		1.16	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 BH81300 - EPA 5035A

LCS Dup (BH81300-BSD1)

Prepared & Analyzed: 08/27/2018

Dibromomethane	45.1		ug/L	50.0		90.1	83-124		3.45	30	
Dichlorodifluoromethane	39.6		"	50.0		79.2	28-158		4.20	30	
Ethyl Benzene	46.1		"	50.0		92.1	84-125		1.84	30	
Hexachlorobutadiene	51.2		"	50.0		102	83-133		0.0196	30	
Isopropylbenzene	42.1		"	50.0		84.1	81-127		0.740	30	
Methyl acetate	43.0		"	50.0		85.9	41-143		4.04	30	
Methyl tert-butyl ether (MTBE)	45.0		"	50.0		89.9	74-131		2.16	30	
Methylcyclohexane	42.6		"	50.0		85.2	70-130		2.76	30	
Methylene chloride	48.0		"	50.0		96.1	57-141		4.17	30	
n-Butylbenzene	41.4		"	50.0		82.9	80-130		6.81	30	
n-Propylbenzene	42.0		"	50.0		83.9	74-136		0.550	30	
o-Xylene	46.5		"	50.0		93.1	83-123		2.41	30	
p- & m- Xylenes	92.8		"	100		92.8	82-128		2.03	30	
p-Isopropyltoluene	46.8		"	50.0		93.5	85-125		0.958	30	
sec-Butylbenzene	46.2		"	50.0		92.4	83-125		0.434	30	
Styrene	46.0		"	50.0		92.0	86-126		0.939	30	
tert-Butyl alcohol (TBA)	240		"	250		95.9	70-130		7.79	30	
tert-Butylbenzene	38.9		"	50.0		77.8	80-127	Low Bias	0.282	30	
Tetrachloroethylene	50.1		"	50.0		100	80-129		2.79	30	
Toluene	45.7		"	50.0		91.4	85-121		2.03	30	
trans-1,2-Dichloroethylene	45.3		"	50.0		90.6	72-132		1.74	30	
trans-1,3-Dichloropropylene	43.5		"	50.0		86.9	78-132		2.87	30	
Trichloroethylene	45.8		"	50.0		91.6	84-123		1.58	30	
Trichlorofluoromethane	41.7		"	50.0		83.4	62-140		3.41	30	
Vinyl acetate	114		"	50.0		228	67-136	High Bias	0.687	30	
Vinyl Chloride	41.6		"	50.0		83.1	52-130		3.25	30	
Surrogate: 1,2-Dichloroethane-d4	50.9		"	50.0		102	77-125				
Surrogate: Toluene-d8	47.9		"	50.0		95.8	85-120				
Surrogate: p-Bromofluorobenzene	43.5		"	50.0		87.1	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 BH81332 - EPA 3550C

Blank (BH81332-BLK1)

Prepared: 08/27/2018 Analyzed: 08/28/2018

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81332 - EPA 3550C

Blank (BH81332-BLK1)

Prepared: 08/27/2018 Analyzed: 08/28/2018

Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.19		"	1.67		71.7	20-108				
Surrogate: Phenol-d5	1.25		"	1.67		75.0	23-114				
Surrogate: Nitrobenzene-d5	0.765		"	0.833		91.8	22-108				
Surrogate: 2-Fluorobiphenyl	0.672		"	0.833		80.6	21-113				
Surrogate: 2,4,6-Tribromophenol	2.32		"	1.67		139	19-110				
Surrogate: Terphenyl-d14	0.865		"	0.833		104	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 BH81332 - EPA 3550C											
LCS (BH81332-BS1)						Prepared: 08/27/2018 Analyzed: 08/28/2018					
1,1-Biphenyl	0.649	0.0417	mg/kg wet	0.833		77.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.766	0.0833	"	0.833		91.9	21-131				
1,2,4-Trichlorobenzene	0.793	0.0417	"	0.833		95.2	10-140				
1,2-Dichlorobenzene	0.623	0.0417	"	0.833		74.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.737	0.0417	"	0.833		88.5	17-137				
1,3-Dichlorobenzene	0.605	0.0417	"	0.833		72.6	33-110				
1,4-Dichlorobenzene	0.620	0.0417	"	0.833		74.4	32-104				
2,3,4,6-Tetrachlorophenol	0.761	0.0833	"	0.833		91.3	30-130				
2,4,5-Trichlorophenol	0.789	0.0417	"	0.833		94.7	27-118				
2,4,6-Trichlorophenol	0.811	0.0417	"	0.833		97.3	31-120				
2,4-Dichlorophenol	0.823	0.0417	"	0.833		98.7	20-127				
2,4-Dimethylphenol	0.732	0.0417	"	0.833		87.8	14-132				
2,4-Dinitrophenol	0.933	0.0833	"	0.833		112	10-171				
2,4-Dinitrotoluene	0.854	0.0417	"	0.833		103	34-131				
2,6-Dinitrotoluene	0.813	0.0417	"	0.833		97.5	31-128				
2-Chloronaphthalene	0.657	0.0417	"	0.833		78.8	31-117				
2-Chlorophenol	0.661	0.0417	"	0.833		79.3	33-113				
2-Methylnaphthalene	0.848	0.0417	"	0.833		102	12-138				
2-Methylphenol	0.648	0.0417	"	0.833		77.7	10-136				
2-Nitroaniline	0.751	0.0833	"	0.833		90.2	27-132				
2-Nitrophenol	0.937	0.0417	"	0.833		112	17-129				
3- & 4-Methylphenols	0.567	0.0417	"	0.833		68.0	29-103				
3,3-Dichlorobenzidine	0.515	0.0417	"	0.833		61.8	22-149				
3-Nitroaniline	0.696	0.0833	"	0.833		83.5	20-133				
4,6-Dinitro-2-methylphenol	1.20	0.0833	"	0.833		144	10-143	High Bias			
4-Bromophenyl phenyl ether	0.958	0.0417	"	0.833		115	29-120				
4-Chloro-3-methylphenol	0.817	0.0417	"	0.833		98.1	24-129				
4-Chloroaniline	0.574	0.0417	"	0.833		68.8	10-132				
4-Chlorophenyl phenyl ether	0.773	0.0417	"	0.833		92.8	27-124				
4-Nitroaniline	0.685	0.0833	"	0.833		82.2	16-128				
4-Nitrophenol	0.767	0.0833	"	0.833		92.0	10-141				
Acenaphthene	0.672	0.0417	"	0.833		80.7	30-121				
Acenaphthylene	0.650	0.0417	"	0.833		78.0	30-115				
Acetophenone	0.623	0.0417	"	0.833		74.8	20-112				
Aniline	0.578	0.167	"	0.833		69.3	10-119				
Anthracene	0.706	0.0417	"	0.833		84.7	34-118				
Atrazine	0.967	0.0417	"	0.833		116	26-112	High Bias			
Benzaldehyde	0.601	0.0417	"	0.833		72.2	21-100				
Benzo(a)anthracene	0.772	0.0417	"	0.833		92.6	32-122				
Benzo(a)pyrene	0.801	0.0417	"	0.833		96.1	29-133				
Benzo(b)fluoranthene	0.790	0.0417	"	0.833		94.8	25-133				
Benzo(g,h,i)perylene	0.814	0.0417	"	0.833		97.7	10-143				
Benzo(k)fluoranthene	0.755	0.0417	"	0.833		90.6	25-128				
Benzoic acid	0.885	0.0417	"	0.842		105	10-140				
Benzyl alcohol	0.723	0.0417	"	0.833		86.7	30-115				
Benzyl butyl phthalate	0.711	0.0417	"	0.833		85.3	26-126				
Bis(2-chloroethoxy)methane	0.722	0.0417	"	0.833		86.6	19-132				
Bis(2-chloroethyl)ether	0.602	0.0417	"	0.833		72.2	19-125				
Bis(2-chloroisopropyl)ether	0.596	0.0417	"	0.833		71.5	20-135				
Bis(2-ethylhexyl)phthalate	0.807	0.0417	"	0.833		96.8	10-155				
Caprolactam	0.873	0.0833	"	0.833		105	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 Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81332 - EPA 3550C

LCS (BH81332-BS1)

Prepared: 08/27/2018 Analyzed: 08/28/2018

Carbazole	0.665	0.0417	mg/kg wet	0.833		79.8	35-123			
Chrysene	0.722	0.0417	"	0.833		86.6	32-123			
Dibenzo(a,h)anthracene	0.818	0.0417	"	0.833		98.1	10-136			
Dibenzofuran	0.706	0.0417	"	0.833		84.7	29-121			
Diethyl phthalate	0.701	0.0417	"	0.833		84.1	34-116			
Dimethyl phthalate	0.703	0.0417	"	0.833		84.4	35-124			
Di-n-butyl phthalate	0.681	0.0417	"	0.833		81.8	31-116			
Di-n-octyl phthalate	0.821	0.0417	"	0.833		98.5	26-136			
Fluoranthene	0.749	0.0417	"	0.833		89.8	33-122			
Fluorene	0.699	0.0417	"	0.833		83.8	29-123			
Hexachlorobenzene	0.837	0.0417	"	0.833		100	21-124			
Hexachlorobutadiene	0.821	0.0417	"	0.833		98.5	10-149			
Hexachlorocyclopentadiene	0.614	0.0417	"	0.833		73.7	10-129			
Hexachloroethane	0.610	0.0417	"	0.833		73.2	28-108			
Indeno(1,2,3-cd)pyrene	0.808	0.0417	"	0.833		97.0	10-135			
Isophorone	0.690	0.0417	"	0.833		82.8	20-132			
Naphthalene	0.731	0.0417	"	0.833		87.7	23-124			
Nitrobenzene	0.695	0.0417	"	0.833		83.4	13-132			
N-Nitrosodimethylamine	0.514	0.0417	"	0.833		61.7	11-129			
N-nitroso-di-n-propylamine	0.589	0.0417	"	0.833		70.6	24-119			
N-Nitrosodiphenylamine	1.05	0.0417	"	0.833		126	22-152			
Pentachlorophenol	0.898	0.0417	"	0.833		108	10-139			
Phenanthrene	0.712	0.0417	"	0.833		85.4	33-123			
Phenol	0.601	0.0417	"	0.833		72.1	23-115			
Pyrene	0.725	0.0417	"	0.833		87.0	32-130			
Pyridine	0.377	0.167	"	0.833		45.2	10-91			
Surrogate: 2-Fluorophenol	1.26		"	1.67		75.6	20-108			
Surrogate: Phenol-d5	1.34		"	1.67		80.6	23-114			
Surrogate: Nitrobenzene-d5	0.783		"	0.833		93.9	22-108			
Surrogate: 2-Fluorobiphenyl	0.714		"	0.833		85.6	21-113			
Surrogate: 2,4,6-Tribromophenol	2.40		"	1.67		144	19-110			
Surrogate: Terphenyl-d14	0.901		"	0.833		108	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 BH81332 - EPA 3550C											
Matrix Spike (BH81332-MS1)		*Source sample: 18H1037-05 (005/LSB-5)					Prepared: 08/27/2018 Analyzed: 08/28/2018				
1,1-Biphenyl	0.647	0.0953	mg/kg dry	0.952	ND	67.9	10-130				
1,2,4,5-Tetrachlorobenzene	0.692	0.190	"	0.952	ND	72.7	10-133				
1,2,4-Trichlorobenzene	0.729	0.0953	"	0.952	ND	76.6	10-127				
1,2-Dichlorobenzene	0.554	0.0953	"	0.952	ND	58.2	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.719	0.0953	"	0.952	ND	75.5	10-144				
1,3-Dichlorobenzene	0.529	0.0953	"	0.952	ND	55.6	11-111				
1,4-Dichlorobenzene	0.516	0.0953	"	0.952	ND	54.2	10-106				
2,3,4,6-Tetrachlorophenol	ND	0.190	"	0.952	ND		30-130	Low Bias			
2,4,5-Trichlorophenol	ND	0.0953	"	0.952	ND		10-127	Low Bias			
2,4,6-Trichlorophenol	ND	0.0953	"	0.952	ND		10-132	Low Bias			
2,4-Dichlorophenol	ND	0.0953	"	0.952	ND		10-128	Low Bias			
2,4-Dimethylphenol	0.657	0.0953	"	0.952	ND	69.0	10-137				
2,4-Dinitrophenol	ND	0.190	"	0.952	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.750	0.0953	"	0.952	ND	78.7	16-135				
2,6-Dinitrotoluene	0.775	0.0953	"	0.952	ND	81.4	18-131				
2-Chloronaphthalene	0.606	0.0953	"	0.952	ND	63.6	10-129				
2-Chlorophenol	0.0548	0.0953	"	0.952	ND	5.76	15-116	Low Bias			
2-Methylnaphthalene	0.992	0.0953	"	0.952	0.137	89.8	10-147				
2-Methylphenol	0.535	0.0953	"	0.952	ND	56.2	10-136				
2-Nitroaniline	0.704	0.190	"	0.952	ND	73.9	10-137				
2-Nitrophenol	ND	0.0953	"	0.952	ND		10-129	Low Bias			
3- & 4-Methylphenols	0.410	0.0953	"	0.952	ND	43.0	10-123				
3,3-Dichlorobenzidine	0.473	0.0953	"	0.952	ND	49.7	10-155				
3-Nitroaniline	0.639	0.190	"	0.952	ND	67.1	12-133				
4,6-Dinitro-2-methylphenol	ND	0.190	"	0.952	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.954	0.0953	"	0.952	ND	100	14-128				
4-Chloro-3-methylphenol	0.338	0.0953	"	0.952	ND	35.5	10-134				
4-Chloroaniline	0.414	0.0953	"	0.952	ND	43.4	10-145				
4-Chlorophenyl phenyl ether	0.703	0.0953	"	0.952	ND	73.8	14-130				
4-Nitroaniline	0.639	0.190	"	0.952	ND	67.1	10-147				
4-Nitrophenol	ND	0.190	"	0.952	ND		10-137	Low Bias			
Acenaphthene	1.25	0.0953	"	0.952	0.438	84.8	10-146				
Acenaphthylene	0.648	0.0953	"	0.952	ND	68.0	10-134				
Acetophenone	0.548	0.0953	"	0.952	ND	57.6	10-116				
Aniline	0.369	0.382	"	0.952	ND	38.7	10-123				
Anthracene	2.22	0.0953	"	0.952	1.04	124	10-142				
Atrazine	0.923	0.0953	"	0.952	ND	96.9	19-115				
Benzaldehyde	0.511	0.0953	"	0.952	ND	53.7	10-125				
Benzo(a)anthracene	3.35	0.0953	"	0.952	2.16	125	10-158				
Benzo(a)pyrene	3.62	0.0953	"	0.952	2.18	151	10-180				
Benzo(b)fluoranthene	3.33	0.0953	"	0.952	1.88	152	10-200				
Benzo(g,h,i)perylene	2.75	0.0953	"	0.952	1.60	120	10-138				
Benzo(k)fluoranthene	2.65	0.0953	"	0.952	1.63	107	10-197				
Benzoic acid	ND	0.0953	"	0.962	ND		10-166	Low Bias			
Benzyl alcohol	0.591	0.0953	"	0.952	ND	62.1	12-124				
Benzyl butyl phthalate	0.665	0.0953	"	0.952	ND	69.8	10-154				
Bis(2-chloroethoxy)methane	0.676	0.0953	"	0.952	ND	71.0	10-132				
Bis(2-chloroethyl)ether	0.545	0.0953	"	0.952	ND	57.3	10-119				
Bis(2-chloroisopropyl)ether	0.574	0.0953	"	0.952	ND	60.3	10-139				
Bis(2-ethylhexyl)phthalate	0.706	0.0953	"	0.952	ND	74.2	10-167				
Caprolactam	0.716	0.190	"	0.952	ND	75.2	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 BH81332 - EPA 3550C

Matrix Spike (BH81332-MS1)	*Source sample: 18H1037-05 (005/LSB-5)							Prepared: 08/27/2018 Analyzed: 08/28/2018			
Carbazole	0.951	0.0953	mg/kg dry	0.952	0.212	77.6	10-167				
Chrysene	3.01	0.0953	"	0.952	1.91	115	10-156				
Dibenzo(a,h)anthracene	1.52	0.0953	"	0.952	0.389	119	10-137				
Dibenzofuran	1.10	0.0953	"	0.952	0.302	84.2	10-147				
Diethyl phthalate	0.631	0.0953	"	0.952	ND	66.2	20-120				
Dimethyl phthalate	0.630	0.0953	"	0.952	ND	66.2	18-131				
Di-n-butyl phthalate	0.651	0.0953	"	0.952	ND	68.4	10-137				
Di-n-octyl phthalate	0.724	0.0953	"	0.952	ND	76.1	10-180				
Fluoranthene	7.98	0.0953	"	0.952	5.57	253	10-160	High Bias			
Fluorene	1.36	0.0953	"	0.952	0.457	94.7	10-157				
Hexachlorobenzene	0.841	0.0953	"	0.952	ND	88.3	10-137				
Hexachlorobutadiene	0.787	0.0953	"	0.952	ND	82.6	10-132				
Hexachlorocyclopentadiene	0.299	0.0953	"	0.952	ND	31.4	10-106				
Hexachloroethane	0.532	0.0953	"	0.952	ND	55.8	10-110				
Indeno(1,2,3-cd)pyrene	2.50	0.0953	"	0.952	1.35	120	10-144				
Isophorone	0.648	0.0953	"	0.952	ND	68.1	10-132				
Naphthalene	0.940	0.0953	"	0.952	0.167	81.2	10-141				
Nitrobenzene	0.596	0.0953	"	0.952	ND	62.6	10-131				
N-Nitrosodimethylamine	0.440	0.0953	"	0.952	ND	46.2	10-126				
N-nitroso-di-n-propylamine	0.525	0.0953	"	0.952	ND	55.1	10-125				
N-Nitrosodiphenylamine	1.69	0.0953	"	0.952	ND	177	10-177				
Pentachlorophenol	ND	0.0953	"	0.952	ND		10-153	Low Bias			
Phenanthrene	7.38	0.0953	"	0.952	4.49	304	10-148	High Bias			
Phenol	0.280	0.0953	"	0.952	ND	29.4	10-126				
Pyrene	6.12	0.0953	"	0.952	4.46	174	10-165	High Bias			
Pyridine	0.342	0.382	"	0.952	ND	35.9	10-83				
<i>Surrogate: 2-Fluorophenol</i>	<i>0.0678</i>		<i>"</i>	<i>1.90</i>		<i>3.56</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>0.600</i>		<i>"</i>	<i>1.90</i>		<i>31.5</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.733</i>		<i>"</i>	<i>0.952</i>		<i>77.0</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.646</i>		<i>"</i>	<i>0.952</i>		<i>67.8</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0.00609</i>		<i>"</i>	<i>1.90</i>		<i>0.320</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.799</i>		<i>"</i>	<i>0.952</i>		<i>83.9</i>	<i>24-116</i>				



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 BH81332 - EPA 3550C											
Matrix Spike Dup (BH81332-MSD1)		*Source sample: 18H1037-05 (005/LSB-5)					Prepared: 08/27/2018 Analyzed: 08/28/2018				
1,1-Biphenyl	0.801	0.0953	mg/kg dry	0.952	ND	84.1	10-130		21.3	30	
1,2,4,5-Tetrachlorobenzene	0.858	0.190	"	0.952	ND	90.1	10-133		21.3	30	
1,2,4-Trichlorobenzene	0.869	0.0953	"	0.952	ND	91.3	10-127		17.5	30	
1,2-Dichlorobenzene	0.727	0.0953	"	0.952	ND	76.4	14-111		27.1	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.888	0.0953	"	0.952	ND	93.3	10-144		21.0	30	
1,3-Dichlorobenzene	0.641	0.0953	"	0.952	ND	67.3	11-111		19.0	30	
1,4-Dichlorobenzene	0.689	0.0953	"	0.952	ND	72.4	10-106		28.7	30	
2,3,4,6-Tetrachlorophenol	ND	0.190	"	0.952	ND		30-130	Low Bias		30	
2,4,5-Trichlorophenol	ND	0.0953	"	0.952	ND		10-127	Low Bias		30	
2,4,6-Trichlorophenol	ND	0.0953	"	0.952	ND		10-132	Low Bias		30	
2,4-Dichlorophenol	ND	0.0953	"	0.952	ND		10-128	Low Bias		30	
2,4-Dimethylphenol	0.823	0.0953	"	0.952	ND	86.5	10-137		22.5	30	
2,4-Dinitrophenol	ND	0.190	"	0.952	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.989	0.0953	"	0.952	ND	104	16-135		27.5	30	
2,6-Dinitrotoluene	0.996	0.0953	"	0.952	ND	105	18-131		25.0	30	
2-Chloronaphthalene	0.740	0.0953	"	0.952	ND	77.7	10-129		19.9	30	
2-Chlorophenol	0.0823	0.0953	"	0.952	ND	8.64	15-116	Low Bias	40.0	30	Non-dir.
2-Methylnaphthalene	1.05	0.0953	"	0.952	0.137	96.1	10-147		5.89	30	
2-Methylphenol	0.711	0.0953	"	0.952	ND	74.6	10-136		28.3	30	
2-Nitroaniline	0.897	0.190	"	0.952	ND	94.2	10-137		24.2	30	
2-Nitrophenol	ND	0.0953	"	0.952	ND		10-129	Low Bias		30	
3- & 4-Methylphenols	0.513	0.0953	"	0.952	ND	53.9	10-123		22.4	30	
3,3-Dichlorobenzidine	0.529	0.0953	"	0.952	ND	55.6	10-155		11.2	30	
3-Nitroaniline	0.772	0.190	"	0.952	ND	81.0	12-133		18.8	30	
4,6-Dinitro-2-methylphenol	ND	0.190	"	0.952	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	1.11	0.0953	"	0.952	ND	117	14-128		15.1	30	
4-Chloro-3-methylphenol	0.499	0.0953	"	0.952	ND	52.4	10-134		38.4	30	Non-dir.
4-Chloroaniline	0.404	0.0953	"	0.952	ND	42.4	10-145		2.42	30	
4-Chlorophenyl phenyl ether	0.902	0.0953	"	0.952	ND	94.7	14-130		24.8	30	
4-Nitroaniline	0.773	0.190	"	0.952	ND	81.2	10-147		19.0	30	
4-Nitrophenol	ND	0.190	"	0.952	ND		10-137	Low Bias		30	
Acenaphthene	1.38	0.0953	"	0.952	0.438	98.5	10-146		9.94	30	
Acenaphthylene	0.787	0.0953	"	0.952	ND	82.6	10-134		19.4	30	
Acetophenone	0.702	0.0953	"	0.952	ND	73.8	10-116		24.6	30	
Aniline	0.484	0.382	"	0.952	ND	50.8	10-123		27.0	30	
Anthracene	2.40	0.0953	"	0.952	1.04	142	10-142		7.66	30	
Atrazine	1.08	0.0953	"	0.952	ND	113	19-115		15.5	30	
Benzaldehyde	0.660	0.0953	"	0.952	ND	69.3	10-125		25.4	30	
Benzo(a)anthracene	4.60	0.0953	"	0.952	2.16	255	10-158	High Bias	31.3	30	Non-dir.
Benzo(a)pyrene	4.97	0.0953	"	0.952	2.18	292	10-180	High Bias	31.3	30	Non-dir.
Benzo(b)fluoranthene	4.59	0.0953	"	0.952	1.88	285	10-200	High Bias	32.0	30	Non-dir.
Benzo(g,h,i)perylene	3.86	0.0953	"	0.952	1.60	237	10-138	High Bias	33.7	30	Non-dir.
Benzo(k)fluoranthene	3.57	0.0953	"	0.952	1.63	204	10-197	High Bias	29.7	30	
Benzoic acid	ND	0.0953	"	0.962	ND		10-166	Low Bias		30	
Benzyl alcohol	0.837	0.0953	"	0.952	ND	87.9	12-124		34.5	30	Non-dir.
Benzyl butyl phthalate	0.821	0.0953	"	0.952	ND	86.2	10-154		21.0	30	
Bis(2-chloroethoxy)methane	0.836	0.0953	"	0.952	ND	87.8	10-132		21.2	30	
Bis(2-chloroethyl)ether	0.686	0.0953	"	0.952	ND	72.0	10-119		22.8	30	
Bis(2-chloroisopropyl)ether	0.699	0.0953	"	0.952	ND	73.4	10-139		19.5	30	
Bis(2-ethylhexyl)phthalate	0.946	0.0953	"	0.952	ND	99.4	10-167		29.0	30	
Caprolactam	0.844	0.190	"	0.952	ND	88.6	10-132		16.4	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 BH81332 - EPA 3550C

Matrix Spike Dup (BH81332-MSD1)		*Source sample: 18H1037-05 (005/LSB-5)					Prepared: 08/27/2018 Analyzed: 08/28/2018				
Carbazole	1.04	0.0953	mg/kg dry	0.952	0.212	87.2	10-167		9.17	30	
Chrysene	4.17	0.0953	"	0.952	1.91	237	10-156	High Bias	32.3	30	Non-dir.
Dibenzo(a,h)anthracene	1.93	0.0953	"	0.952	0.389	162	10-137	High Bias	23.9	30	
Dibenzofuran	1.18	0.0953	"	0.952	0.302	91.9	10-147		6.48	30	
Diethyl phthalate	0.788	0.0953	"	0.952	ND	82.7	20-120		22.1	30	
Dimethyl phthalate	0.798	0.0953	"	0.952	ND	83.8	18-131		23.5	30	
Di-n-butyl phthalate	0.808	0.0953	"	0.952	ND	84.9	10-137		21.5	30	
Di-n-octyl phthalate	0.926	0.0953	"	0.952	ND	97.3	10-180		24.5	30	
Fluoranthene	10.5	0.0953	"	0.952	5.57	514	10-160	High Bias	26.9	30	
Fluorene	1.43	0.0953	"	0.952	0.457	102	10-157		5.19	30	
Hexachlorobenzene	0.993	0.0953	"	0.952	ND	104	10-137		16.5	30	
Hexachlorobutadiene	0.855	0.0953	"	0.952	ND	89.8	10-132		8.35	30	
Hexachlorocyclopentadiene	0.370	0.0953	"	0.952	ND	38.9	10-106		21.2	30	
Hexachloroethane	0.645	0.0953	"	0.952	ND	67.8	10-110		19.3	30	
Indeno(1,2,3-cd)pyrene	3.47	0.0953	"	0.952	1.35	223	10-144	High Bias	32.8	30	Non-dir.
Isophorone	0.777	0.0953	"	0.952	ND	81.6	10-132		18.1	30	
Naphthalene	0.967	0.0953	"	0.952	0.167	84.1	10-141		2.88	30	
Nitrobenzene	0.779	0.0953	"	0.952	ND	81.8	10-131		26.6	30	
N-Nitrosodimethylamine	0.587	0.0953	"	0.952	ND	61.7	10-126		28.6	30	
N-nitroso-di-n-propylamine	0.710	0.0953	"	0.952	ND	74.6	10-125		30.0	30	
N-Nitrosodiphenylamine	1.78	0.0953	"	0.952	ND	187	10-177	High Bias	5.71	30	
Pentachlorophenol	ND	0.0953	"	0.952	ND		10-153	Low Bias		30	
Phenanthrene	7.56	0.0953	"	0.952	4.49	323	10-148	High Bias	2.47	30	
Phenol	0.395	0.0953	"	0.952	ND	41.5	10-126		34.3	30	Non-dir.
Pyrene	8.38	0.0953	"	0.952	4.46	411	10-165	High Bias	31.2	30	Non-dir.
Pyridine	0.404	0.382	"	0.952	ND	42.4	10-83		16.5	30	
Surrogate: 2-Fluorophenol	0.0952		"	1.90		5.00	20-108				
Surrogate: Phenol-d5	0.780		"	1.90		41.0	23-114				
Surrogate: Nitrobenzene-d5	0.871		"	0.952		91.4	22-108				
Surrogate: 2-Fluorobiphenyl	0.800		"	0.952		84.0	21-113				
Surrogate: 2,4,6-Tribromophenol	0.0289		"	1.90		1.52	19-110				
Surrogate: Terphenyl-d14	1.01		"	0.952		106	24-116				



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 BH81329 - EPA 3050B

Blank (BH81329-BLK1)

Prepared: 08/27/2018 Analyzed: 08/29/2018

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	24.1	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	2.13	2.00	"
Lead	ND	0.500	"
Magnesium	5.51	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BH81329-SRM1)

Prepared: 08/27/2018 Analyzed: 08/29/2018

Aluminum	8410	5.00	mg/kg wet	8360	101	39.4-160.5
Antimony	87.1	0.500	"	75.5	115	25.1-275.7
Arsenic	183	1.00	"	161	114	69.9-132.9
Barium	288	1.00	"	260	111	71.5-136.3
Beryllium	107	0.100	"	97.6	109	75.4-138.1
Cadmium	232	0.300	"	211	110	73.3-141.5
Calcium	5290	5.00	"	4760	111	73.7-136.1
Chromium	153	0.500	"	136	113	69.1-143.3
Cobalt	57.0	0.500	"	48.2	118	74.6-142
Copper	193	0.500	"	166	117	72.7-141.6
Iron	15800	2.00	"	14100	112	35.6-163.9
Lead	123	0.500	"	111	111	70.8-137.1
Magnesium	2480	5.00	"	2340	106	63.6-136.1
Manganese	261	0.500	"	228	114	75.7-134.3
Nickel	116	0.500	"	91.9	127	70.7-146.3
Potassium	2060	5.00	"	2020	102	59.8-140.2
Selenium	187	1.00	"	191	98.2	67.1-136.8
Silver	48.4	0.500	"	43.3	112	66.5-139.5
Sodium	277	10.0	"	218	127	40.6-159.8
Thallium	175	1.00	"	156	112	68-136.2
Vanadium	61.8	1.00	"	56.7	109	58.9-141.8
Zinc	221	1.50	"	199	111	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
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Batch BH81312 - EPA 7473 soil

Blank (BH81312-BLK1)

Prepared & Analyzed: 08/27/2018

Mercury	ND	0.0300	mg/kg wet
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Reference (BH81312-SRM1)

Prepared & Analyzed: 08/27/2018

Mercury	10.677		mg/kg	13.8		77.4	51.4-168.8
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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 BH81305 - EPA SW846-3060											
Blank (BH81305-BLK1)								Prepared & Analyzed: 08/27/2018			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BH81305-SRM1)								Prepared & Analyzed: 08/27/2018			
Chromium, Hexavalent	18.1		mg/L	76.9		23.5	20.3-212				
Batch BH81381 - EPA SW846-3060											
Blank (BH81381-BLK1)								Prepared & Analyzed: 08/28/2018			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BH81381-DUP1)		*Source sample: 18H1037-07 (007/Dup-1)						Prepared & Analyzed: 08/28/2018			
Chromium, Hexavalent	ND	0.558	mg/kg dry		ND					35	
Matrix Spike (BH81381-MS1)		*Source sample: 18H1037-07 (007/Dup-1)						Prepared & Analyzed: 08/28/2018			
Chromium, Hexavalent	6.38	0.558	mg/kg dry	22.3	ND	28.6	75-125	Low Bias			
Reference (BH81381-SRM1)								Prepared & Analyzed: 08/28/2018			
Chromium, Hexavalent	19.7		mg/L	76.9		25.6	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1037-01	001/LSB-1	40mL Vial with Stir Bar-Cool 4° C
18H1037-02	002/LSB-3	40mL Vial with Stir Bar-Cool 4° C
18H1037-03	003/LSB-2	40mL Vial with Stir Bar-Cool 4° C
18H1037-04	004/LSB-4	40mL Vial with Stir Bar-Cool 4° C
18H1037-05	005/LSB-5	40mL Vial with Stir Bar-Cool 4° C
18H1037-06	006/LSB-9	40mL Vial with Stir Bar-Cool 4° C
18H1037-07	007/Dup-1	40mL Vial with Stir Bar-Cool 4° C
18H1037-08	008/TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
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).
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-CRL	The RL check for this element recovered outside of control limits.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
A-01	Surrogate recovery confirmed by duplicate analysis
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-08	The recovery of this surrogate was outside of QC limits.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

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.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 08/30/2018

Client Project ID: 100732401

York Project (SDG) No.: 18H1109

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Report Date: 08/30/2018
Client Project ID: 100732401
York Project (SDG) No.: 18H1109

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 23, 2018 and listed below. The project was identified as your project: **100732401**.

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>
18H1109-01	015/LTW-3	Water	08/23/2018	08/23/2018
18H1109-02	016/DUP-2	Water	08/23/2018	08/23/2018
18H1109-03	017/LTW-1	Water	08/23/2018	08/23/2018
18H1109-04	019/LTW-2	Water	08/23/2018	08/23/2018
18H1109-05	012/FB-2	Water	08/23/2018	08/23/2018
18H1109-06	018/TB-1	Water	08/23/2018	08/23/2018
18H1109-07	009/LSB-8	Soil	08/23/2018	08/23/2018
18H1109-08	010/LSB-10	Soil	08/23/2018	08/23/2018
18H1109-09	013/LSB-6	Soil	08/23/2018	08/23/2018
18H1109-10	014/LSB-7	Soil	08/23/2018	08/23/2018
18H1109-11	011/FB-1	Water	08/23/2018	08/23/2018

General Notes for York Project (SDG) No.: 18H1109

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 08/30/2018





Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 10:45 am

08/23/2018

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	08/27/2018 07:30	08/27/2018 16:15	SS
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	08/27/2018 07:30	08/27/2018 16:15	SS
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	08/27/2018 07:30	08/27/2018 16:15	SS
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	08/27/2018 07:30	08/27/2018 16:15	SS
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	08/27/2018 07:30	08/27/2018 16:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 10:45 am

08/23/2018

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:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
67-66-3	Chloroform	9.78		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:15	SS



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 10:45 am

08/23/2018

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	08/27/2018 07:30	08/27/2018 16:15	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
127-18-4	Tetrachloroethylene	0.310	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	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	08/27/2018 07:30	08/27/2018 16:15	SS



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 10:45 am

08/23/2018

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
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	08/27/2018 07:30	08/27/2018 16:15	SS
79-01-6	Trichloroethylene	0.200	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:15	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 16:15	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.5 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	70-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 10:45 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:22	SR



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 10:45 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
110-86-1	Pyridine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:22	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	26.5 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	14.5 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	85.2 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	74.4 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	133 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	106 %	30.7-106								



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 10:45 am

Date Received
08/23/2018

Semi-Volatiles, 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
1912-24-9	Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
67-72-1	Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
98-95-3	Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 19:45	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 19:45	SR



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 10:45 am

Date Received
08/23/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.121		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-39-3	Barium	0.173		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-70-2	Calcium	104		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-50-8	Copper	0.00706		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7439-89-6	Iron	0.827	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7439-95-4	Magnesium	32.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7439-96-5	Manganese	1.23		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-09-7	Potassium	10.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-23-5	Sodium	188		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:08	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:01	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:01	KML
7440-41-7	Beryllium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:01	KML



Sample Information

Client Sample ID: 015/LTW-3

York Sample ID: 18H1109-01

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 10:45 am

Date Received

08/23/2018

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
7440-43-9	Cadmium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:01	KML
7782-49-2	Selenium	3.47		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:01	KML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:01	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 08:58	08/24/2018 09:54	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		ug/L	10.0	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/24/2018 10:36	08/24/2018 10:36	TJM

Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 10:45 am

Date Received

08/23/2018

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	08/27/2018 07:30	08/27/2018 16:47	SS
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	08/27/2018 07:30	08/27/2018 16:47	SS
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	08/27/2018 07:30	08/27/2018 16:47	SS
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	08/27/2018 07:30	08/27/2018 16:47	SS



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 10:45 am

08/23/2018

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
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 10:45 am

Date Received

08/23/2018

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
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	08/27/2018 07:30	08/27/2018 16:47	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
67-66-3	Chloroform	9.75		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	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	08/27/2018 07:30	08/27/2018 16:47	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 10:45 am

08/23/2018

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
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
127-18-4	Tetrachloroethylene	0.320	J	ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 16:47	SS



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 10:45 am

Date Received

08/23/2018

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
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 16:47	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		70-130							
2037-26-5	Surrogate: Toluene-d8	96.5 %		70-130							
460-00-4	Surrogate: p-Bromofluorobenzene	105 %		70-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 10:45 am

Date Received

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 10:53	SR



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 10:45 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
110-86-1	Pyridine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 10:53	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	27.4 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	16.0 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	91.3 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	80.5 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	137 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	95.8 %	30.7-106								

Semi-Volatiles, 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 10:45 am

Date Received
08/23/2018

Semi-Volatiles, 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
1912-24-9	Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
67-72-1	Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
98-95-3	Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:16	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:16	SR

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

<u>York Project (SDG) No.</u> 18H1109	<u>Client Project ID</u> 100732401	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 23, 2018 10:45 am	<u>Date Received</u> 08/23/2018
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Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.134		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-39-3	Barium	0.173		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-70-2	Calcium	104		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-50-8	Copper	0.00651		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7439-89-6	Iron	0.765	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7439-95-4	Magnesium	31.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7439-96-5	Manganese	1.22		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-09-7	Potassium	10.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-23-5	Sodium	184		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:10	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:06	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:06	KML
7440-41-7	Beryllium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:06	KML
7440-43-9	Cadmium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:06	KML



Sample Information

Client Sample ID: 016/DUP-2

York Sample ID: 18H1109-02

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 10:45 am

Date Received

08/23/2018

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	4.86		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:06	KML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:06	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	08/24/2018 08:58	08/24/2018 10:02	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		ug/L	10.0	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/24/2018 10:36	08/24/2018 10:36	TJM

Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 12:20 pm

Date Received

08/23/2018

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	08/27/2018 07:30	08/27/2018 17:19	SS
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	08/27/2018 07:30	08/27/2018 17:19	SS
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	08/27/2018 07:30	08/27/2018 17:19	SS
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	08/27/2018 07:30	08/27/2018 17:19	SS
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	08/27/2018 07:30	08/27/2018 17:19	SS



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 12:20 pm

Date Received

08/23/2018

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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 17:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 12:20 pm

08/23/2018

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:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
67-66-3	Chloroform	1.59		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 12:20 pm

08/23/2018

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
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
127-18-4	Tetrachloroethylene	0.460	J	ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
79-01-6	Trichloroethylene	0.350	J	ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:19	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 17:19	SS
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 12:20 pm

Date Received
08/23/2018

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
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			70-130						
2037-26-5	Surrogate: Toluene-d8	97.0 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	109 %			70-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 12:20 pm

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 12:20 pm

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR
110-86-1	Pyridine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:23	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	19.7 %	19.7-63.1
4165-62-2	Surrogate: Phenol-d5	11.3 %	10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	69.9 %	50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	64.2 %	39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	116 %	39.3-151
1718-51-0	Surrogate: Terphenyl-d14	89.5 %	30.7-106

Semi-Volatiles, 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
1912-24-9	Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 12:20 pm

08/23/2018

Semi-Volatiles, 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
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR
67-72-1	Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
98-95-3	Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 20:47	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 20:47	SR

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
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Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 12:20 pm

Date Received
08/23/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.233		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-39-3	Barium	0.156		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-70-2	Calcium	61.6		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-47-3	Chromium	0.00934		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-50-8	Copper	0.00723		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7439-89-6	Iron	0.363	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7439-95-4	Magnesium	20.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7439-96-5	Manganese	0.214		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-09-7	Potassium	9.52		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-23-5	Sodium	370		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:13	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:10	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:10	KML
7440-41-7	Beryllium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:10	KML



Sample Information

Client Sample ID: 017/LTW-1

York Sample ID: 18H1109-03

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 12:20 pm

Date Received

08/23/2018

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
7440-43-9	Cadmium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:10	KML
7782-49-2	Selenium	5.64		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:10	KML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:10	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	08/24/2018 08:58	08/24/2018 10:14	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	25.0		ug/L	10.0	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/24/2018 10:36	08/24/2018 10:36	TJM

Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 2:00 pm

Date Received

08/23/2018

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	08/27/2018 07:30	08/27/2018 17:50	SS
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	08/27/2018 07:30	08/27/2018 17:50	SS
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	08/27/2018 07:30	08/27/2018 17:50	SS
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	08/27/2018 07:30	08/27/2018 17:50	SS



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 2:00 pm

Date Received
08/23/2018

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
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 2:00 pm

Date Received

08/23/2018

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
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	08/27/2018 07:30	08/27/2018 17:50	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
67-66-3	Chloroform	7.93		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	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	08/27/2018 07:30	08/27/2018 17:50	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 2:00 pm

08/23/2018

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
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
127-18-4	Tetrachloroethylene	0.210	J	ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
79-01-6	Trichloroethylene	0.260	J	ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 17:50	SS



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 2:00 pm

Date Received

08/23/2018

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
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:50	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		70-130							
2037-26-5	Surrogate: Toluene-d8	97.3 %		70-130							
460-00-4	Surrogate: p-Bromofluorobenzene	108 %		70-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 2:00 pm

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 11:54	SR



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 2:00 pm

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
110-86-1	Pyridine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 11:54	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	26.6 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	15.7 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	84.8 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	75.1 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	141 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	99.4 %	30.7-106								

Semi-Volatiles, 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 2:00 pm

Date Received
08/23/2018

Semi-Volatiles, 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
1912-24-9	Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.469		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
67-72-1	Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
98-95-3	Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:18	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:18	SR

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 019/LTW-2

York Sample ID: 18H1109-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 2:00 pm

08/23/2018

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	0.194		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-39-3	Barium	0.130		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-70-2	Calcium	108		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-47-3	Chromium	0.00705		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-50-8	Copper	0.00712		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7439-89-6	Iron	0.450	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7439-95-4	Magnesium	33.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7439-96-5	Manganese	0.396		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-09-7	Potassium	9.16		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-23-5	Sodium	160		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:15	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:15	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:15	KML
7440-41-7	Beryllium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:15	KML
7440-43-9	Cadmium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:15	KML



Sample Information

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08/23/2018

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	10.4		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:15	KML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:15	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	08/24/2018 08:58	08/24/2018 10:25	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		ug/L	10.0	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/24/2018 10:36	08/24/2018 10:36	TJM

Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 8:45 am

Date Received
08/23/2018

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	08/27/2018 07:30	08/27/2018 14:39	SS
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	08/27/2018 07:30	08/27/2018 14:39	SS
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	08/27/2018 07:30	08/27/2018 14:39	SS
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	08/27/2018 07:30	08/27/2018 14:39	SS
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	08/27/2018 07:30	08/27/2018 14:39	SS



Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

York Project (SDG) No.

Client Project ID

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18H1109

100732401

Water

August 23, 2018 8:45 am

08/23/2018

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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 14:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
78-93-3	2-Butanone	0.390	J	ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 14:39	SS



Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 8:45 am

Date Received
08/23/2018

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	3.44		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	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	08/27/2018 07:30	08/27/2018 14:39	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	08/27/2018 07:30	08/27/2018 14:39	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 14:39	SS



Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 8:45 am

08/23/2018

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
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
75-65-0	tert-Butyl alcohol (TBA)	1.50	J	ug/L	0.500	2.50	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 14:39	SS

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

18H1109

100732401

Water

August 23, 2018 8:45 am

08/23/2018

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
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			70-130						
2037-26-5	Surrogate: Toluene-d8	96.8 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %			70-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR



Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 8:45 am

Date Received

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
100-52-7	Benzaldehyde	5.53		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:25	SR



Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

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Matrix

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18H1109

100732401

Water

August 23, 2018 8:45 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR
110-86-1	Pyridine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:25	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	25.7 %	19.7-63.1
4165-62-2	Surrogate: Phenol-d5	15.7 %	10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	88.2 %	50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	76.8 %	39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	125 %	39.3-151
1718-51-0	Surrogate: Terphenyl-d14	102 %	30.7-106

Semi-Volatiles, 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
1912-24-9	Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR



Sample Information

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York Sample ID: 18H1109-05

York Project (SDG) No.

Client Project ID

Matrix

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18H1109

100732401

Water

August 23, 2018 8:45 am

08/23/2018

Semi-Volatiles, 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
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR
67-72-1	Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
91-20-3	Naphthalene	0.0462		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
98-95-3	Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 21:49	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 21:49	SR

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
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Sample Information

Client Sample ID: 012/FB-2

York Sample ID: 18H1109-05

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

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August 23, 2018 8:45 am

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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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7439-89-6	Iron	0.0922	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:18	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:19	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:19	KML
7440-41-7	Beryllium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:19	KML
7440-43-9	Cadmium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:19	KML



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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	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:19	KML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:19	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	08/24/2018 08:58	08/24/2018 10:36	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	HT-01	ug/L	10.0	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/24/2018 10:36	08/24/2018 10:36	TJM

Sample Information

Client Sample ID: 018/TB-1

York Sample ID: 18H1109-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 12:30 pm

08/23/2018

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	08/27/2018 07:30	08/27/2018 15:11	SS
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	08/27/2018 07:30	08/27/2018 15:11	SS
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	08/27/2018 07:30	08/27/2018 15:11	SS
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	08/27/2018 07:30	08/27/2018 15:11	SS
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	08/27/2018 07:30	08/27/2018 15:11	SS



Sample Information

Client Sample ID: 018/TB-1

York Sample ID: 18H1109-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 12:30 pm

08/23/2018

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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 15:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS



Sample Information

Client Sample ID: 018/TB-1

York Sample ID: 18H1109-06

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 12:30 pm

Date Received
08/23/2018

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	08/27/2018 07:30	08/27/2018 15:11	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	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	08/27/2018 07:30	08/27/2018 15:11	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	08/27/2018 07:30	08/27/2018 15:11	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:11	SS



Sample Information

Client Sample ID: 018/TB-1

York Sample ID: 18H1109-06

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Water

Collection Date/Time

August 23, 2018 12:30 pm

Date Received

08/23/2018

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
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 15:11	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	08/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 15:11	SS

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: 018/TB-1

York Sample ID: 18H1109-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 12:30 pm

08/23/2018

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
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			70-130						
2037-26-5	Surrogate: Toluene-d8	97.7 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			70-130						

Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 8:00 am

08/23/2018

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	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 17:32	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 8:00 am

08/23/2018

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	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.091	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
67-64-1	Acetone	0.013	CCV-E, SCAL- E	mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:32	RDS



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.

Client Project ID

Matrix

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18H1109

100732401

Soil

August 23, 2018 8:00 am

08/23/2018

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	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 23, 2018 8:00 am

Date Received
08/23/2018

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
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-65-0	tert-Butyl alcohol (TBA)	0.014		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:32	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 17:32	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.8 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.9 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	107 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.0512	J	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1109

100732401

Soil

August 23, 2018 8:00 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
91-57-6	2-Methylnaphthalene	0.154		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

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August 23, 2018 8:00 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
83-32-9	Acenaphthene	0.370		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
208-96-8	Acenaphthylene	0.757		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
62-53-3	Aniline	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
120-12-7	Anthracene	3.07		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
56-55-3	Benzo(a)anthracene	4.93		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
50-32-8	Benzo(a)pyrene	3.86		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
205-99-2	Benzo(b)fluoranthene	3.73		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
191-24-2	Benzo(g,h,i)perylene	2.28		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
207-08-9	Benzo(k)fluoranthene	3.00		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

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August 23, 2018 8:00 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	0.133		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
86-74-8	Carbazole	0.496		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
218-01-9	Chrysene	5.15		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
53-70-3	Dibenzo(a,h)anthracene	0.985		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
132-64-9	Dibenzofuran	0.467		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
206-44-0	Fluoranthene	11.4		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
86-73-7	Fluorene	1.28		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	2.20		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
91-20-3	Naphthalene	0.0995		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 23, 2018 8:00 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
85-01-8	Phenanthrene	13.4		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
108-95-2	Phenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
129-00-0	Pyrene	8.70		mg/kg dry	0.565	1.13	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 09:29	SR
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 16:43	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	20.9 %									
4165-62-2	Surrogate: Phenol-d5	57.5 %									
4165-60-0	Surrogate: Nitrobenzene-d5	74.0 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	60.5 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	5.32 %	S-08								
1718-51-0	Surrogate: Terphenyl-d14	83.2 %									

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	8310		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-36-0	Antimony	1.60		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-38-2	Arsenic	6.37		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-39-3	Barium	103		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-41-7	Beryllium	0.181		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.324	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-70-2	Calcium	38400		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-47-3	Chromium	25.5		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-48-4	Cobalt	6.62		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-50-8	Copper	41.7		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

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August 23, 2018 8:00 am

Date Received
08/23/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	17100	B	mg/kg dry	2.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7439-92-1	Lead	127		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7439-95-4	Magnesium	4100		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7439-96-5	Manganese	303		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-02-0	Nickel	20.6		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-09-7	Potassium	1140		mg/kg dry	5.41	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-22-4	Silver	ND		mg/kg dry	0.541	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-23-5	Sodium	333	B	mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-62-2	Vanadium	25.6		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML
7440-66-6	Zinc	132		mg/kg dry	1.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:10	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.280		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/29/2018 09:37	08/29/2018 16:49	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	92.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/29/2018 10:07	08/29/2018 14:41	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 009/LSB-8

York Sample ID: 18H1109-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18H1109	100732401	Soil	August 23, 2018 8:00 am	08/23/2018

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	0.541	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/29/2018 08:00	08/29/2018 15:35	TJD

Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18H1109	100732401	Soil	August 23, 2018 8:25 am	08/23/2018

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	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 17:59	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 17:59	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS



Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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100732401

Soil

August 23, 2018 8:25 am

08/23/2018

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
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.097	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
67-64-1	Acetone	0.043	CCV-E, SCAL- E	mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS



Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

York Project (SDG) No.

Client Project ID

Matrix

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100732401

Soil

August 23, 2018 8:25 am

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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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 17:59	RDS



Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

York Project (SDG) No.

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100732401

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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
75-65-0	tert-Butyl alcohol (TBA)	0.019		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 17:59	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 17:59	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.4 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	110 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.263		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	SR



Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

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100732401

Soil

August 23, 2018 8:25 am

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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
105-67-9	2,4-Dimethylphenol	0.160		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
91-57-6	2-Methylnaphthalene	1.61		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
95-48-7	2-Methylphenol	0.104		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
65794-96-9	3- & 4-Methylphenols	0.254		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR



Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

York Project (SDG) No.

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100732401

Soil

August 23, 2018 8:25 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
83-32-9	Acenaphthene	1.84		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
208-96-8	Acenaphthylene	0.436		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
120-12-7	Anthracene	4.76		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
56-55-3	Benzo(a)anthracene	4.73		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
50-32-8	Benzo(a)pyrene	3.75		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
205-99-2	Benzo(b)fluoranthene	2.80		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
191-24-2	Benzo(g,h,i)perylene	1.33		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
207-08-9	Benzo(k)fluoranthene	2.83		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0586	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR



Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

York Project (SDG) No.
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Client Project ID
100732401

Matrix
Soil

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08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
86-74-8	Carbazole	1.87		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
218-01-9	Chrysene	3.82		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
53-70-3	Dibenzo(a,h)anthracene	0.717		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
132-64-9	Dibenzofuran	2.21		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	SR
206-44-0	Fluoranthene	10.3		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
86-73-7	Fluorene	2.97		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.53		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
91-20-3	Naphthalene	2.26		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	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	08/28/2018 15:52	08/29/2018 17:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR



Sample Information

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Soil

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August 23, 2018 8:25 am

Date Received

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	14.3		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
108-95-2	Phenol	0.142		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
129-00-0	Pyrene	6.82		mg/kg dry	0.597	1.19	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:00	SR
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:13	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	46.0 %									
4165-62-2	Surrogate: Phenol-d5	55.1 %									
4165-60-0	Surrogate: Nitrobenzene-d5	59.6 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	50.2 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	96.8 %									
1718-51-0	Surrogate: Terphenyl-d14	64.0 %									

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	8980		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-36-0	Antimony	1.16		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-38-2	Arsenic	6.21		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-39-3	Barium	429		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-41-7	Beryllium	0.152		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-43-9	Cadmium	0.408		mg/kg dry	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-70-2	Calcium	35300		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-47-3	Chromium	20.8		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-48-4	Cobalt	7.43		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7440-50-8	Copper	58.4		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML
7439-89-6	Iron	14500	B	mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:12	KML



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100732401

Soil

August 23, 2018 8:25 am

08/23/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	517		mg/kg dry	0.572	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	4670		mg/kg dry	5.72	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	296		mg/kg dry	0.572	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	26.8		mg/kg dry	0.572	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	1820		mg/kg dry	5.72	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.572	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	1520	B	mg/kg dry	11.4	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	32.2		mg/kg dry	1.14	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	275		mg/kg dry	1.72	1	EPA 6010C	08/28/2018 15:57	08/29/2018 18:12	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.442		mg/kg dry	0.0343	1	EPA 7473	08/29/2018 09:37	08/29/2018 16:58	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.4		%	0.100	1	SM 2540G	08/29/2018 10:07	08/29/2018 14:41	TAJ
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

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

Client Sample ID: 010/LSB-10

York Sample ID: 18H1109-08

York Project (SDG) No.

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Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 8:25 am

08/23/2018

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	0.572	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/29/2018 08:00	08/29/2018 15:35	TJD

Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:20 am

08/23/2018

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	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 18:26	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 18:26	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.

Client Project ID

Matrix

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18H1109

100732401

Soil

August 23, 2018 10:20 am

08/23/2018

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	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
67-64-1	Acetone	0.036	CCV-E, SCAL- E	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:26	RDS



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1109

100732401

Soil

August 23, 2018 10:20 am

08/23/2018

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	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 23, 2018 10:20 am

Date Received
08/23/2018

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
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-65-0	tert-Butyl alcohol (TBA)	0.023		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:26	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 18:26	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.1 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	109 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.

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100732401

Soil

August 23, 2018 10:20 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
91-57-6	2-Methylnaphthalene	0.0806	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.

Client Project ID

Matrix

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18H1109

100732401

Soil

August 23, 2018 10:20 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
83-32-9	Acenaphthene	0.550		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
208-96-8	Acenaphthylene	0.0920		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
62-53-3	Aniline	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
120-12-7	Anthracene	1.86		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
56-55-3	Benzo(a)anthracene	6.76		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
50-32-8	Benzo(a)pyrene	7.85		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
205-99-2	Benzo(b)fluoranthene	6.79		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
191-24-2	Benzo(g,h,i)perylene	5.06		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
207-08-9	Benzo(k)fluoranthene	5.42		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

18H1109

100732401

Soil

August 23, 2018 10:20 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
86-74-8	Carbazole	0.322		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
218-01-9	Chrysene	5.87		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
53-70-3	Dibenzo(a,h)anthracene	1.84		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
132-64-9	Dibenzofuran	0.238		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
206-44-0	Fluoranthene	13.8		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
86-73-7	Fluorene	0.463		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	4.65		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
91-20-3	Naphthalene	0.128		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 23, 2018 10:20 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
85-01-8	Phenanthrene	7.31		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
129-00-0	Pyrene	10.9		mg/kg dry	0.559	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 10:31	SR
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 17:43	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	44.8 %									
4165-62-2	Surrogate: Phenol-d5	48.6 %									
4165-60-0	Surrogate: Nitrobenzene-d5	57.3 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	49.4 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	75.8 %									
1718-51-0	Surrogate: Terphenyl-d14	53.8 %									

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	6400		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-36-0	Antimony	ND		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-38-2	Arsenic	1.65		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-39-3	Barium	47.5		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-41-7	Beryllium	0.145		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-70-2	Calcium	18300		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-47-3	Chromium	10.7		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-48-4	Cobalt	5.32		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-50-8	Copper	53.6		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

Collection Date/Time
August 23, 2018 10:20 am

Date Received
08/23/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	11500	B	mg/kg dry	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7439-92-1	Lead	79.1		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7439-95-4	Magnesium	5110		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7439-96-5	Manganese	261		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-02-0	Nickel	14.0		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-09-7	Potassium	1150		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-23-5	Sodium	828	B	mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-62-2	Vanadium	15.0		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML
7440-66-6	Zinc	65.2		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:14	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.213		mg/kg dry	0.0322	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/29/2018 09:37	08/29/2018 17:07	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	08/29/2018 10:07	08/29/2018 14:41	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 013/LSB-6

York Sample ID: 18H1109-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:20 am

08/23/2018

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	08/29/2018 08:00	08/29/2018 15:35	TJD

Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:35 am

08/23/2018

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	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 18:53	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 18:53	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:35 am

08/23/2018

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
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.091	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
67-64-1	Acetone	0.0064	CCV-E, SCAL- E, J	mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 18:53	RDS



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:35 am

08/23/2018

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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-09-2	Methylene chloride	0.0046	J	mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:35 am

08/23/2018

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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 18:53	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 18:53	RDS

Surrogate Recoveries		Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125
2037-26-5	Surrogate: Toluene-d8	97.5 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:35 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
91-57-6	2-Methylnaphthalene	0.0512	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.
18H1109

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100732401

Matrix
Soil

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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
83-32-9	Acenaphthene	0.145		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
208-96-8	Acenaphthylene	1.02		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
120-12-7	Anthracene	0.696		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
56-55-3	Benzo(a)anthracene	3.24		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
50-32-8	Benzo(a)pyrene	3.94		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
205-99-2	Benzo(b)fluoranthene	3.37		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
191-24-2	Benzo(g,h,i)perylene	2.12		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
207-08-9	Benzo(k)fluoranthene	3.18		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

Client Project ID

Matrix

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18H1109

100732401

Soil

August 23, 2018 10:35 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
86-74-8	Carbazole	0.211		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
218-01-9	Chrysene	3.98		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
53-70-3	Dibenzo(a,h)anthracene	0.832		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
132-64-9	Dibenzofuran	0.0674	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
206-44-0	Fluoranthene	7.98		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
86-73-7	Fluorene	0.182		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	2.07		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Soil

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August 23, 2018 10:35 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	3.92		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
108-95-2	Phenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
129-00-0	Pyrene	7.17		mg/kg dry	0.220	0.439	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/30/2018 11:01	SR
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:52	08/29/2018 18:13	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	20.4 %									
4165-62-2	Surrogate: Phenol-d5	48.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	50.5 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	68.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	10.6 %	S-08								
1718-51-0	Surrogate: Terphenyl-d14	94.7 %									

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	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-36-0	Antimony	0.550		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-38-2	Arsenic	1.72		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-39-3	Barium	57.8		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-41-7	Beryllium	0.182		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.317	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-70-2	Calcium	8960		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-47-3	Chromium	11.4		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-48-4	Cobalt	6.56		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-50-8	Copper	32.7		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7439-89-6	Iron	8360	B	mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML



Sample Information

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

18H1109

Client Project ID

100732401

Matrix

Soil

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August 23, 2018 10:35 am

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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
7439-92-1	Lead	40.5		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7439-95-4	Magnesium	2310		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7439-96-5	Manganese	369		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-02-0	Nickel	23.3		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-09-7	Potassium	876		mg/kg dry	5.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-22-4	Silver	ND		mg/kg dry	0.529	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-23-5	Sodium	324	B	mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-62-2	Vanadium	11.9		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML
7440-66-6	Zinc	106		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/28/2018 15:57	08/29/2018 18:16	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0867		mg/kg dry	0.0317	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	08/29/2018 09:37	08/29/2018 17:16	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	94.5		%	0.100	1	SM 2540G Certifications: CTDOH	08/29/2018 10:07	08/29/2018 14:41	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

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

Client Sample ID: 014/LSB-7

York Sample ID: 18H1109-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Soil

August 23, 2018 10:35 am

08/23/2018

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.529	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	08/29/2018 08:00	08/29/2018 15:35	TJD

Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 8:40 am

08/23/2018

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	08/27/2018 07:30	08/27/2018 15:43	SS
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	08/27/2018 07:30	08/27/2018 15:43	SS
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	08/27/2018 07:30	08/27/2018 15:43	SS
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	08/27/2018 07:30	08/27/2018 15:43	SS
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	08/27/2018 07:30	08/27/2018 15:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	SS



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 8:40 am

08/23/2018

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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	200	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
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	08/27/2018 07:30	08/27/2018 15:43	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 8:40 am

08/23/2018

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:	08/27/2018 07:30	08/27/2018 15:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	08/27/2018 07:30	08/27/2018 15:43	SS



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 8:40 am

08/23/2018

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	08/27/2018 07:30	08/27/2018 15:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	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	08/27/2018 07:30	08/27/2018 15:43	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/27/2018 07:30	08/27/2018 15:43	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/27/2018 07:30	08/27/2018 15:43	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.0 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	70-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 8:40 am

08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 8:40 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	08/24/2018 14:11 CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:56	SR



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

Collection Date/Time
August 23, 2018 8:40 am

Date Received
08/23/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
110-86-1	Pyridine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/27/2018 12:56	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	25.1 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	14.1 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	87.9 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	79.9 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	133 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	109 %	S-08		30.7-106						

Semi-Volatiles, 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
1912-24-9	Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

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August 23, 2018 8:40 am

Date Received
08/23/2018

Semi-Volatiles, 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
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
67-72-1	Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
98-95-3	Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	08/24/2018 14:11	08/25/2018 22:21	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/24/2018 14:11	08/25/2018 22:21	SR

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 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML



Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.
18H1109

Client Project ID
100732401

Matrix
Water

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August 23, 2018 8:40 am

Date Received
08/23/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-23-5	Sodium	0.338		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/27/2018 12:51	08/28/2018 13:20	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:24	KML
7440-38-2	Arsenic	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:24	KML
7440-41-7	Beryllium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:24	KML
7440-43-9	Cadmium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:24	KML
7782-49-2	Selenium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:24	KML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	08/29/2018 14:29	08/30/2018 13:24	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	08/24/2018 08:58	08/24/2018 10:47	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
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Sample Information

Client Sample ID: 011/FB-1

York Sample ID: 18H1109-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1109

100732401

Water

August 23, 2018 8:40 am

08/23/2018

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	ug/L	10.0	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/24/2018 10:36	08/24/2018 10:36	TJM



Analytical Batch Summary

Batch ID: BH81238

Preparation Method: EPA 7473 water

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-01	015/LTW-3	08/24/18
18H1109-02	016/DUP-2	08/24/18
18H1109-03	017/LTW-1	08/24/18
18H1109-04	019/LTW-2	08/24/18
18H1109-05	012/FB-2	08/24/18
18H1109-11	011/FB-1	08/24/18
BH81238-BLK1	Blank	08/24/18
BH81238-DUP1	Duplicate	08/24/18
BH81238-MS1	Matrix Spike	08/24/18
BH81238-SRM1	Reference	08/24/18

Batch ID: BH81248

Preparation Method: Analysis Preparation

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-01	015/LTW-3	08/24/18
18H1109-02	016/DUP-2	08/24/18
18H1109-03	017/LTW-1	08/24/18
18H1109-04	019/LTW-2	08/24/18
18H1109-05	012/FB-2	08/24/18
18H1109-11	011/FB-1	08/24/18
BH81248-BLK1	Blank	08/24/18
BH81248-BS1	LCS	08/24/18
BH81248-DUP1	Duplicate	08/24/18
BH81248-MS1	Matrix Spike	08/24/18

Batch ID: BH81269

Preparation Method: EPA 3510C

Prepared By: MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-01	015/LTW-3	08/24/18
18H1109-02	016/DUP-2	08/24/18
18H1109-03	017/LTW-1	08/24/18
18H1109-04	019/LTW-2	08/24/18
18H1109-05	012/FB-2	08/24/18
18H1109-11	011/FB-1	08/24/18
BH81269-BLK1	Blank	08/24/18
BH81269-BLK2	Blank	08/24/18
BH81269-BS1	LCS	08/24/18
BH81269-BS2	LCS	08/24/18
BH81269-BSD1	LCS Dup	08/24/18

Batch ID: BH81300

Preparation Method: EPA 5035A

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-07	009/LSB-8	08/27/18



18H1109-08	010/LSB-10	08/27/18
18H1109-09	013/LSB-6	08/27/18
18H1109-10	014/LSB-7	08/27/18
BH81300-BLK1	Blank	08/27/18
BH81300-BLK2	Blank	08/27/18
BH81300-BS1	LCS	08/27/18
BH81300-BSD1	LCS Dup	08/27/18

Batch ID: BH81302 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-01	015/LTW-3	08/27/18
18H1109-02	016/DUP-2	08/27/18
18H1109-03	017/LTW-1	08/27/18
18H1109-04	019/LTW-2	08/27/18
18H1109-05	012/FB-2	08/27/18
18H1109-06	018/TB-1	08/27/18
18H1109-11	011/FB-1	08/27/18
BH81302-BLK1	Blank	08/27/18
BH81302-BS1	LCS	08/27/18
BH81302-BSD1	LCS Dup	08/27/18

Batch ID: BH81335 **Preparation Method:** EPA 3015A **Prepared By:** KML

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-01	015/LTW-3	08/27/18
18H1109-02	016/DUP-2	08/27/18
18H1109-03	017/LTW-1	08/27/18
18H1109-04	019/LTW-2	08/27/18
18H1109-05	012/FB-2	08/27/18
18H1109-11	011/FB-1	08/27/18
BH81335-BLK1	Blank	08/27/18
BH81335-BS1	LCS	08/27/18
BH81335-DUP1	Duplicate	08/27/18
BH81335-MS1	Matrix Spike	08/27/18

Batch ID: BH81412 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-07	009/LSB-8	08/28/18
18H1109-07RE1	009/LSB-8	08/28/18
18H1109-08	010/LSB-10	08/28/18
18H1109-08RE1	010/LSB-10	08/28/18
18H1109-09	013/LSB-6	08/28/18
18H1109-09RE1	013/LSB-6	08/28/18
18H1109-10	014/LSB-7	08/28/18
18H1109-10RE1	014/LSB-7	08/28/18
BH81412-BLK1	Blank	08/28/18
BH81412-BS1	LCS	08/28/18



Batch ID: BH81426

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-07	009/LSB-8	08/28/18
18H1109-08	010/LSB-10	08/28/18
18H1109-09	013/LSB-6	08/28/18
18H1109-10	014/LSB-7	08/28/18
BH81426-BLK1	Blank	08/28/18
BH81426-SRM1	Reference	08/28/18

Batch ID: BH81449

Preparation Method: EPA SW846-3060

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-07	009/LSB-8	08/29/18
18H1109-08	010/LSB-10	08/29/18
18H1109-09	013/LSB-6	08/29/18
18H1109-10	014/LSB-7	08/29/18
BH81449-BLK1	Blank	08/29/18
BH81449-SRM1	Reference	08/29/18

Batch ID: BH81455

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-07	009/LSB-8	08/29/18
18H1109-08	010/LSB-10	08/29/18
18H1109-09	013/LSB-6	08/29/18
18H1109-10	014/LSB-7	08/29/18
BH81455-BLK1	Blank	08/29/18
BH81455-SRM1	Reference	08/29/18

Batch ID: BH81457

Preparation Method: % Solids Prep

Prepared By: TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-07	009/LSB-8	08/29/18
18H1109-08	010/LSB-10	08/29/18
18H1109-09	013/LSB-6	08/29/18
18H1109-10	014/LSB-7	08/29/18

Batch ID: BH81476

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1109-01	015/LTW-3	08/29/18
18H1109-02	016/DUP-2	08/29/18
18H1109-03	017/LTW-1	08/29/18
18H1109-04	019/LTW-2	08/29/18
18H1109-05	012/FB-2	08/29/18
18H1109-11	011/FB-1	08/29/18



BH81476-BLK1	Blank	08/29/18
BH81476-BS1	LCS	08/29/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81300 - EPA 5035A											
Blank (BH81300-BLK1)										Prepared & Analyzed: 08/27/2018	
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81300 - EPA 5035A

Blank (BH81300-BLK1)

Prepared & Analyzed: 08/27/2018

Hexachlorobutadiene	ND	0.0050	mg/kg wet
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl acetate	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	49.3	ug/L	50.0	98.6	77-125
Surrogate: Toluene-d8	49.2	"	50.0	98.5	85-120
Surrogate: p-Bromofluorobenzene	50.5	"	50.0	101	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81300 - EPA 5035A

Blank (BH81300-BLK2)

Prepared & Analyzed: 08/27/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	10	"
2,2-Dichloropropane	ND	0.50	"
2-Butanone	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	1.0	"
Acrolein	ND	1.0	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"



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 BH81300 - EPA 5035A

Blank (BH81300-BLK2)

Prepared & Analyzed: 08/27/2018

Isopropylbenzene	ND	0.50	mg/kg wet
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	ND	1.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl acetate	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	48.7	ug/L	50.0	97.4	77-125
Surrogate: Toluene-d8	49.0	"	50.0	98.0	85-120
Surrogate: p-Bromofluorobenzene	49.8	"	50.0	99.6	76-130

LCS (BH81300-BS1)

Prepared & Analyzed: 08/27/2018

1,1,1,2-Tetrachloroethane	48.6	ug/L	50.0	97.3	75-129
1,1,1-Trichloroethane	48.2	"	50.0	96.5	71-137
1,1,2,2-Tetrachloroethane	41.8	"	50.0	83.6	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8	"	50.0	99.6	58-146
1,1,2-Trichloroethane	45.0	"	50.0	90.1	83-123
1,1-Dichloroethane	46.7	"	50.0	93.4	75-130
1,1-Dichloroethylene	43.8	"	50.0	87.6	64-137
1,1-Dichloropropylene	46.3	"	50.0	92.7	77-127
1,2,3-Trichlorobenzene	49.2	"	50.0	98.3	81-140
1,2,3-Trichloropropane	46.9	"	50.0	93.7	81-126
1,2,4-Trichlorobenzene	50.8	"	50.0	102	80-141
1,2,4-Trimethylbenzene	45.3	"	50.0	90.6	84-125
1,2-Dibromo-3-chloropropane	39.0	"	50.0	78.0	74-142
1,2-Dibromoethane	48.0	"	50.0	96.1	86-123
1,2-Dichlorobenzene	50.4	"	50.0	101	85-122
1,2-Dichloroethane	48.2	"	50.0	96.5	71-133
1,2-Dichloropropane	41.3	"	50.0	82.6	81-122
1,3,5-Trimethylbenzene	43.9	"	50.0	87.9	82-126
1,3-Dichlorobenzene	49.4	"	50.0	98.9	84-124
1,3-Dichloropropane	43.9	"	50.0	87.8	83-123
1,4-Dichlorobenzene	50.3	"	50.0	101	84-124
1,4-Dioxane	968	"	1050	92.2	10-228
2,2-Dichloropropane	47.1	"	50.0	94.2	67-136



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH81300 - EPA 5035A											
LCS (BH81300-BS1)						Prepared & Analyzed: 08/27/2018					
2-Butanone	53.9		ug/L	50.0		108	58-147				
2-Chlorotoluene	38.2		"	50.0		76.3	78-127	Low Bias			
2-Hexanone	43.4		"	50.0		86.7	70-139				
4-Chlorotoluene	43.0		"	50.0		86.1	79-125				
4-Methyl-2-pentanone	43.2		"	50.0		86.5	72-132				
Acetone	54.4		"	50.0		109	36-155				
Acrolein	39.4		"	50.0		78.9	10-238				
Acrylonitrile	46.4		"	50.0		92.8	66-141				
Benzene	47.5		"	50.0		95.0	77-127				
Bromobenzene	40.2		"	50.0		80.4	77-129				
Bromochloromethane	47.0		"	50.0		94.0	74-129				
Bromodichloromethane	42.6		"	50.0		85.1	81-124				
Bromoform	52.4		"	50.0		105	80-136				
Bromomethane	48.5		"	50.0		96.9	32-177				
Carbon disulfide	49.1		"	50.0		98.3	10-136				
Carbon tetrachloride	49.9		"	50.0		99.7	66-143				
Chlorobenzene	47.6		"	50.0		95.2	86-120				
Chloroethane	41.1		"	50.0		82.2	51-142				
Chloroform	48.4		"	50.0		96.7	76-131				
Chloromethane	37.3		"	50.0		74.6	49-132				
cis-1,2-Dichloroethylene	45.9		"	50.0		91.7	74-132				
cis-1,3-Dichloropropylene	42.4		"	50.0		84.7	81-129				
Cyclohexane	42.0		"	50.0		83.9	70-130				
Dibromochloromethane	49.7		"	50.0		99.4	10-200				
Dibromomethane	43.5		"	50.0		87.1	83-124				
Dichlorodifluoromethane	38.0		"	50.0		75.9	28-158				
Ethyl Benzene	45.2		"	50.0		90.5	84-125				
Hexachlorobutadiene	51.1		"	50.0		102	83-133				
Isopropylbenzene	41.8		"	50.0		83.5	81-127				
Methyl acetate	41.2		"	50.0		82.5	41-143				
Methyl tert-butyl ether (MTBE)	44.0		"	50.0		88.0	74-131				
Methylcyclohexane	41.4		"	50.0		82.9	70-130				
Methylene chloride	46.1		"	50.0		92.1	57-141				
n-Butylbenzene	38.7		"	50.0		77.4	80-130	Low Bias			
n-Propylbenzene	41.7		"	50.0		83.5	74-136				
o-Xylene	45.4		"	50.0		90.9	83-123				
p- & m- Xylenes	90.9		"	100		90.9	82-128				
p-Isopropyltoluene	47.2		"	50.0		94.4	85-125				
sec-Butylbenzene	46.0		"	50.0		92.0	83-125				
Styrene	45.6		"	50.0		91.1	86-126				
tert-Butyl alcohol (TBA)	222		"	250		88.8	70-130				
tert-Butylbenzene	39.0		"	50.0		78.1	80-127	Low Bias			
Tetrachloroethylene	48.7		"	50.0		97.4	80-129				
Toluene	44.8		"	50.0		89.5	85-121				
trans-1,2-Dichloroethylene	44.5		"	50.0		89.0	72-132				
trans-1,3-Dichloropropylene	42.2		"	50.0		84.5	78-132				
Trichloroethylene	45.1		"	50.0		90.2	84-123				
Trichlorofluoromethane	40.3		"	50.0		80.6	62-140				
Vinyl acetate	113		"	50.0		226	67-136	High Bias			
Vinyl Chloride	40.2		"	50.0		80.5	52-130				
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		99.9	77-125				



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 BH81300 - EPA 5035A											
LCS (BH81300-BS1)						Prepared & Analyzed: 08/27/2018					
Surrogate: Toluene-d8	47.5		ug/L	50.0		95.0	85-120				
Surrogate: p-Bromofluorobenzene	44.3		"	50.0		88.7	76-130				
LCS Dup (BH81300-BSD1)						Prepared & Analyzed: 08/27/2018					
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.8	75-129		0.574	30	
1,1,1-Trichloroethane	49.6		"	50.0		99.3	71-137		2.84	30	
1,1,2,2-Tetrachloroethane	41.7		"	50.0		83.4	79-129		0.263	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.4		"	50.0		103	58-146		3.10	30	
1,1,2-Trichloroethane	46.8		"	50.0		93.5	83-123		3.79	30	
1,1-Dichloroethane	47.2		"	50.0		94.4	75-130		1.07	30	
1,1-Dichloroethylene	44.4		"	50.0		88.7	64-137		1.29	30	
1,1-Dichloropropylene	47.4		"	50.0		94.8	77-127		2.28	30	
1,2,3-Trichlorobenzene	49.9		"	50.0		99.8	81-140		1.51	30	
1,2,3-Trichloropropane	45.1		"	50.0		90.2	81-126		3.81	30	
1,2,4-Trichlorobenzene	51.6		"	50.0		103	80-141		1.46	30	
1,2,4-Trimethylbenzene	45.5		"	50.0		91.0	84-125		0.418	30	
1,2-Dibromo-3-chloropropane	40.3		"	50.0		80.5	74-142		3.23	30	
1,2-Dibromoethane	48.4		"	50.0		96.8	86-123		0.726	30	
1,2-Dichlorobenzene	50.5		"	50.0		101	85-122		0.258	30	
1,2-Dichloroethane	49.3		"	50.0		98.5	71-133		2.11	30	
1,2-Dichloropropane	41.6		"	50.0		83.1	81-122		0.700	30	
1,3,5-Trimethylbenzene	43.7		"	50.0		87.4	82-126		0.548	30	
1,3-Dichlorobenzene	49.2		"	50.0		98.4	84-124		0.487	30	
1,3-Dichloropropane	44.6		"	50.0		89.3	83-123		1.69	30	
1,4-Dichlorobenzene	50.0		"	50.0		100	84-124		0.459	30	
1,4-Dioxane	995		"	1050		94.7	10-228		2.69	30	
2,2-Dichloropropane	48.3		"	50.0		96.6	67-136		2.54	30	
2-Butanone	54.2		"	50.0		108	58-147		0.518	30	
2-Chlorotoluene	42.5		"	50.0		85.0	78-127		10.7	30	
2-Hexanone	45.5		"	50.0		91.1	70-139		4.91	30	
4-Chlorotoluene	42.6		"	50.0		85.3	79-125		0.910	30	
4-Methyl-2-pentanone	44.9		"	50.0		89.9	72-132		3.88	30	
Acetone	57.4		"	50.0		115	36-155		5.26	30	
Acrolein	41.4		"	50.0		82.8	10-238		4.90	30	
Acrylonitrile	47.8		"	50.0		95.5	66-141		2.93	30	
Benzene	48.8		"	50.0		97.6	77-127		2.70	30	
Bromobenzene	39.2		"	50.0		78.3	77-129		2.55	30	
Bromochloromethane	46.6		"	50.0		93.2	74-129		0.812	30	
Bromodichloromethane	42.8		"	50.0		85.6	81-124		0.562	30	
Bromoform	53.0		"	50.0		106	80-136		1.12	30	
Bromomethane	50.9		"	50.0		102	32-177		4.97	30	
Carbon disulfide	49.9		"	50.0		99.8	10-136		1.56	30	
Carbon tetrachloride	50.5		"	50.0		101	66-143		1.18	30	
Chlorobenzene	48.2		"	50.0		96.4	86-120		1.27	30	
Chloroethane	42.8		"	50.0		85.5	51-142		3.94	30	
Chloroform	49.6		"	50.0		99.3	76-131		2.57	30	
Chloromethane	38.6		"	50.0		77.3	49-132		3.58	30	
cis-1,2-Dichloroethylene	46.2		"	50.0		92.3	74-132		0.674	30	
cis-1,3-Dichloropropylene	43.0		"	50.0		86.0	81-129		1.52	30	
Cyclohexane	43.6		"	50.0		87.2	70-130		3.86	30	
Dibromochloromethane	50.3		"	50.0		101	10-200		1.16	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 BH81300 - EPA 5035A

LCS Dup (BH81300-BSD1)

Prepared & Analyzed: 08/27/2018

Dibromomethane	45.1		ug/L	50.0		90.1	83-124		3.45	30	
Dichlorodifluoromethane	39.6		"	50.0		79.2	28-158		4.20	30	
Ethyl Benzene	46.1		"	50.0		92.1	84-125		1.84	30	
Hexachlorobutadiene	51.2		"	50.0		102	83-133		0.0196	30	
Isopropylbenzene	42.1		"	50.0		84.1	81-127		0.740	30	
Methyl acetate	43.0		"	50.0		85.9	41-143		4.04	30	
Methyl tert-butyl ether (MTBE)	45.0		"	50.0		89.9	74-131		2.16	30	
Methylcyclohexane	42.6		"	50.0		85.2	70-130		2.76	30	
Methylene chloride	48.0		"	50.0		96.1	57-141		4.17	30	
n-Butylbenzene	41.4		"	50.0		82.9	80-130		6.81	30	
n-Propylbenzene	42.0		"	50.0		83.9	74-136		0.550	30	
o-Xylene	46.5		"	50.0		93.1	83-123		2.41	30	
p- & m- Xylenes	92.8		"	100		92.8	82-128		2.03	30	
p-Isopropyltoluene	46.8		"	50.0		93.5	85-125		0.958	30	
sec-Butylbenzene	46.2		"	50.0		92.4	83-125		0.434	30	
Styrene	46.0		"	50.0		92.0	86-126		0.939	30	
tert-Butyl alcohol (TBA)	240		"	250		95.9	70-130		7.79	30	
tert-Butylbenzene	38.9		"	50.0		77.8	80-127	Low Bias	0.282	30	
Tetrachloroethylene	50.1		"	50.0		100	80-129		2.79	30	
Toluene	45.7		"	50.0		91.4	85-121		2.03	30	
trans-1,2-Dichloroethylene	45.3		"	50.0		90.6	72-132		1.74	30	
trans-1,3-Dichloropropylene	43.5		"	50.0		86.9	78-132		2.87	30	
Trichloroethylene	45.8		"	50.0		91.6	84-123		1.58	30	
Trichlorofluoromethane	41.7		"	50.0		83.4	62-140		3.41	30	
Vinyl acetate	114		"	50.0		228	67-136	High Bias	0.687	30	
Vinyl Chloride	41.6		"	50.0		83.1	52-130		3.25	30	
Surrogate: 1,2-Dichloroethane-d4	50.9		"	50.0		102	77-125				
Surrogate: Toluene-d8	47.9		"	50.0		95.8	85-120				
Surrogate: p-Bromofluorobenzene	43.5		"	50.0		87.1	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
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Batch BH81302 - EPA 5030B

Blank (BH81302-BLK1)

Prepared & Analyzed: 08/27/2018

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-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	0.500	"
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	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	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 BH81302 - EPA 5030B

Blank (BH81302-BLK1)

Prepared & Analyzed: 08/27/2018

Isopropylbenzene	ND	0.500	ug/L
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	1.00	"
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 acetate	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: 1,2-Dichloroethane-d4

10.2

"

10.0

102

70-130

Surrogate: Toluene-d8

9.80

"

10.0

98.0

70-130

Surrogate: p-Bromofluorobenzene

10.8

"

10.0

108

70-130

LCS (BH81302-BS1)

Prepared & Analyzed: 08/27/2018

1,1,1,2-Tetrachloroethane	10.3	ug/L	10.0	103	82-126	30
1,1,1-Trichloroethane	10.7	"	10.0	107	70-130	20
1,1,2,2-Tetrachloroethane	10.1	"	10.0	101	70-130	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7	"	10.0	117	70-130	20
1,1,2-Trichloroethane	9.84	"	10.0	98.4	70-130	20
1,1-Dichloroethane	10.8	"	10.0	108	70-130	20
1,1-Dichloroethylene	11.1	"	10.0	111	70-130	20
1,1-Dichloropropylene	11.0	"	10.0	110	83-133	30
1,2,3-Trichlorobenzene	9.20	"	10.0	92.0	70-130	20
1,2,3-Trichloropropane	10.2	"	10.0	102	77-128	30
1,2,4-Trichlorobenzene	9.25	"	10.0	92.5	70-130	20
1,2,4-Trimethylbenzene	10.4	"	10.0	104	82-132	20
1,2-Dibromo-3-chloropropane	10.1	"	10.0	101	40-160	20
1,2-Dibromoethane	9.80	"	10.0	98.0	70-130	20
1,2-Dichlorobenzene	10.2	"	10.0	102	70-130	20
1,2-Dichloroethane	10.8	"	10.0	108	70-130	20
1,2-Dichloropropane	9.70	"	10.0	97.0	70-130	20
1,3,5-Trimethylbenzene	10.5	"	10.0	105	80-131	30
1,3-Dichlorobenzene	10.0	"	10.0	100	70-130	20
1,3-Dichloropropane	9.97	"	10.0	99.7	81-125	30
1,4-Dichlorobenzene	9.91	"	10.0	99.1	70-130	20
1,4-Dioxane	418	"	210	199	40-160	High Bias 20
2,2-Dichloropropane	12.0	"	10.0	120	56-150	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 BH81302 - EPA 5030B											
LCS (BH81302-BS1)						Prepared & Analyzed: 08/27/2018					
2-Butanone	12.6		ug/L	10.0		126	40-160			20	
2-Chlorotoluene	10.4		"	10.0		104	79-130			30	
2-Hexanone	11.7		"	10.0		117	40-160			20	
4-Chlorotoluene	10.3		"	10.0		103	79-128			30	
4-Methyl-2-pentanone	11.3		"	10.0		113	40-160			20	
Acetone	13.2		"	10.0		132	40-160			20	
Acrolein	16.0		"	10.0		160	10-153	High Bias		30	
Acrylonitrile	8.56		"	10.0		85.6	51-150			30	
Benzene	10.3		"	10.0		103	70-130			20	
Bromobenzene	10.0		"	10.0		100	78-129			30	
Bromochloromethane	10.8		"	10.0		108	70-130			20	
Bromodichloromethane	9.78		"	10.0		97.8	70-130			20	
Bromoform	10.2		"	10.0		102	70-130			20	
Bromomethane	3.03		"	10.0		30.3	40-160	Low Bias		20	
Carbon disulfide	11.8		"	10.0		118	40-160			20	
Carbon tetrachloride	10.8		"	10.0		108	70-130			20	
Chlorobenzene	10.2		"	10.0		102	70-130			20	
Chloroethane	8.46		"	10.0		84.6	40-160			20	
Chloroform	10.2		"	10.0		102	70-130			20	
Chloromethane	6.62		"	10.0		66.2	40-160			20	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130			20	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	70-130			20	
Cyclohexane	11.4		"	10.0		114	70-130			20	
Dibromochloromethane	10.2		"	10.0		102	70-130			20	
Dibromomethane	10.0		"	10.0		100	72-134			30	
Dichlorodifluoromethane	8.66		"	10.0		86.6	40-160			20	
Ethyl Benzene	10.5		"	10.0		105	70-130			20	
Hexachlorobutadiene	9.77		"	10.0		97.7	67-146			30	
Isopropylbenzene	10.5		"	10.0		105	70-130			20	
Methyl acetate	10.4		"	10.0		104	70-130			20	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130			20	
Methylcyclohexane	10.7		"	10.0		107	70-130			20	
Methylene chloride	11.0		"	10.0		110	70-130			20	
n-Butylbenzene	10.8		"	10.0		108	79-132			30	
n-Propylbenzene	10.6		"	10.0		106	78-133			30	
o-Xylene	10.6		"	10.0		106	70-130			20	
p- & m- Xylenes	19.0		"	20.0		94.9	70-130			20	
p-Isopropyltoluene	10.7		"	10.0		107	81-136			30	
sec-Butylbenzene	11.1		"	10.0		111	79-137			30	
Styrene	10.2		"	10.0		102	70-130			20	
tert-Butyl alcohol (TBA)	61.8		"	50.0		124	25-162			30	
tert-Butylbenzene	10.5		"	10.0		105	77-138			30	
Tetrachloroethylene	7.78		"	10.0		77.8	70-130			20	
Toluene	10.1		"	10.0		101	70-130			20	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130			20	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130			20	
Trichloroethylene	9.98		"	10.0		99.8	70-130			20	
Trichlorofluoromethane	9.14		"	10.0		91.4	40-160			20	
Vinyl acetate	18.5		"	10.0		185	21-90	High Bias		30	
Vinyl Chloride	8.29		"	10.0		82.9	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	9.93		"	10.0		99.3	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 BH81302 - EPA 5030B											
LCS (BH81302-BS1)						Prepared & Analyzed: 08/27/2018					
Surrogate: Toluene-d8	9.68		ug/L	10.0		96.8	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				
LCS Dup (BH81302-BSD1)						Prepared & Analyzed: 08/27/2018					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		2.50	30	
1,1,1-Trichloroethane	11.3		"	10.0		113	70-130		5.90	20	
1,1,2,2-Tetrachloroethane	9.84		"	10.0		98.4	70-130		2.51	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	70-130		7.18	20	
1,1,2-Trichloroethane	9.77		"	10.0		97.7	70-130		0.714	20	
1,1-Dichloroethane	11.2		"	10.0		112	70-130		3.91	20	
1,1-Dichloroethylene	11.7		"	10.0		117	70-130		5.71	20	
1,1-Dichloropropylene	11.5		"	10.0		115	83-133		4.70	30	
1,2,3-Trichlorobenzene	9.49		"	10.0		94.9	70-130		3.10	20	
1,2,3-Trichloropropane	9.95		"	10.0		99.5	77-128		2.09	30	
1,2,4-Trichlorobenzene	9.56		"	10.0		95.6	70-130		3.30	20	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		1.53	20	
1,2-Dibromo-3-chloropropane	9.52		"	10.0		95.2	40-160		6.01	20	
1,2-Dibromoethane	9.94		"	10.0		99.4	70-130		1.42	20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130		0.00	20	
1,2-Dichloroethane	10.9		"	10.0		109	70-130		1.02	20	
1,2-Dichloropropane	9.97		"	10.0		99.7	70-130		2.75	20	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		2.53	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	70-130		1.69	20	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		1.59	30	
1,4-Dichlorobenzene	10.0		"	10.0		100	70-130		1.40	20	
1,4-Dioxane	276		"	210		132	40-160		40.8	20	Non-dir.
2,2-Dichloropropane	12.6		"	10.0		126	56-150		4.81	30	
2-Butanone	13.4		"	10.0		134	40-160		6.09	20	
2-Chlorotoluene	10.7		"	10.0		107	79-130		2.84	30	
2-Hexanone	11.7		"	10.0		117	40-160		0.00	20	
4-Chlorotoluene	10.5		"	10.0		105	79-128		1.64	30	
4-Methyl-2-pentanone	11.1		"	10.0		111	40-160		1.69	20	
Acetone	14.9		"	10.0		149	40-160		11.9	20	
Acrolein	14.4		"	10.0		144	10-153		10.7	30	
Acrylonitrile	8.11		"	10.0		81.1	51-150		5.40	30	
Benzene	10.7		"	10.0		107	70-130		3.81	20	
Bromobenzene	10.1		"	10.0		101	78-129		0.698	30	
Bromochloromethane	11.0		"	10.0		110	70-130		1.56	20	
Bromodichloromethane	9.94		"	10.0		99.4	70-130		1.62	20	
Bromoform	10.2		"	10.0		102	70-130		0.589	20	
Bromomethane	2.99		"	10.0		29.9	40-160	Low Bias	1.33	20	
Carbon disulfide	12.4		"	10.0		124	40-160		5.30	20	
Carbon tetrachloride	11.6		"	10.0		116	70-130		6.43	20	
Chlorobenzene	10.4		"	10.0		104	70-130		2.43	20	
Chloroethane	8.10		"	10.0		81.0	40-160		4.35	20	
Chloroform	10.5		"	10.0		105	70-130		3.48	20	
Chloromethane	6.44		"	10.0		64.4	40-160		2.76	20	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	70-130		2.21	20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130		1.08	20	
Cyclohexane	12.3		"	10.0		123	70-130		7.60	20	
Dibromochloromethane	10.2		"	10.0		102	70-130		0.00	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 BH81302 - EPA 5030B											
LCS Dup (BH81302-BSD1)						Prepared & Analyzed: 08/27/2018					
Dibromomethane	9.88		ug/L	10.0		98.8	72-134		1.31	30	
Dichlorodifluoromethane	8.96		"	10.0		89.6	40-160		3.41	20	
Ethyl Benzene	11.0		"	10.0		110	70-130		4.18	20	
Hexachlorobutadiene	10.0		"	10.0		100	67-146		2.53	30	
Isopropylbenzene	10.8		"	10.0		108	70-130		3.01	20	
Methyl acetate	10.1		"	10.0		101	70-130		3.32	20	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130		0.0997	20	
Methylcyclohexane	11.5		"	10.0		115	70-130		7.27	20	
Methylene chloride	11.6		"	10.0		116	70-130		5.56	20	
n-Butylbenzene	11.1		"	10.0		111	79-132		2.64	30	
n-Propylbenzene	11.0		"	10.0		110	78-133		2.96	30	
o-Xylene	10.9		"	10.0		109	70-130		2.23	20	
p- & m- Xylenes	19.6		"	20.0		97.8	70-130		3.01	20	
p-Isopropyltoluene	11.0		"	10.0		110	81-136		3.22	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		3.28	30	
Styrene	10.3		"	10.0		103	70-130		1.27	20	
tert-Butyl alcohol (TBA)	57.9		"	50.0		116	25-162		6.40	30	
tert-Butylbenzene	10.8		"	10.0		108	77-138		3.66	30	
Tetrachloroethylene	8.18		"	10.0		81.8	70-130		5.01	20	
Toluene	10.5		"	10.0		105	70-130		3.78	20	
trans-1,2-Dichloroethylene	11.2		"	10.0		112	70-130		3.83	20	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130		0.495	20	
Trichloroethylene	10.8		"	10.0		108	70-130		8.35	20	
Trichlorofluoromethane	9.17		"	10.0		91.7	40-160		0.328	20	
Vinyl acetate	18.4		"	10.0		184	21-90	High Bias	0.434	30	
Vinyl Chloride	8.29		"	10.0		82.9	70-130		0.00	20	
Surrogate: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	70-130				
Surrogate: Toluene-d8	9.74		"	10.0		97.4	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	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 BH81269 - EPA 3510C

Blank (BH81269-BLK1)

Prepared: 08/24/2018 Analyzed: 08/27/2018

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81269 - EPA 3510C

Blank (BH81269-BLK1)

Prepared: 08/24/2018 Analyzed: 08/27/2018

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	18.5		"	50.0		37.1	19.7-63.1				
Surrogate: Phenol-d5	11.6		"	50.0		23.3	10.1-41.7				
Surrogate: Nitrobenzene-d5	24.6		"	25.0		98.2	50.2-113				
Surrogate: 2-Fluorobiphenyl	21.4		"	25.0		85.8	39.9-105				
Surrogate: 2,4,6-Tribromophenol	78.1		"	50.0		156	39.3-151				
Surrogate: Terphenyl-d14	30.6		"	25.0		123	30.7-106				

Blank (BH81269-BLK2)

Prepared: 08/24/2018 Analyzed: 08/25/2018

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result	Limits	Limit				
Batch BH81269 - EPA 3510C											
LCS (BH81269-BS1)						Prepared: 08/24/2018 Analyzed: 08/27/2018					
1,1-Biphenyl	16.2	5.00	ug/L	25.0		64.8	33-95				
1,2,4,5-Tetrachlorobenzene	21.3	5.00	"	25.0		85.2	26-120				
1,2,4-Trichlorobenzene	20.9	5.00	"	25.0		83.6	20-118				
1,2-Dichlorobenzene	17.0	5.00	"	25.0		67.8	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	19.8	5.00	"	25.0		79.1	16-141				
1,3-Dichlorobenzene	15.7	5.00	"	25.0		62.7	23-117				
1,4-Dichlorobenzene	15.9	5.00	"	25.0		63.8	30-105				
2,3,4,6-Tetrachlorophenol	20.5	5.00	"	25.0		82.0	30-130				
2,4,5-Trichlorophenol	21.6	5.00	"	25.0		86.2	32-114				
2,4,6-Trichlorophenol	21.5	5.00	"	25.0		86.2	35-118				
2,4-Dichlorophenol	22.7	5.00	"	25.0		90.9	25-116				
2,4-Dimethylphenol	19.6	5.00	"	25.0		78.2	15-116				
2,4-Dinitrophenol	24.6	5.00	"	25.0		98.3	10-170				
2,4-Dinitrotoluene	22.9	5.00	"	25.0		91.8	41-128				
2,6-Dinitrotoluene	22.8	5.00	"	25.0		91.0	45-116				
2-Chloronaphthalene	17.3	5.00	"	25.0		69.3	33-112				
2-Chlorophenol	16.3	5.00	"	25.0		65.2	15-120				
2-Methylnaphthalene	22.2	5.00	"	25.0		88.8	24-118				
2-Methylphenol	14.3	5.00	"	25.0		57.3	10-110				
2-Nitroaniline	20.0	5.00	"	25.0		80.1	34-129				
2-Nitrophenol	23.6	5.00	"	25.0		94.4	28-118				
3- & 4-Methylphenols	11.4	5.00	"	25.0		45.7	10-107				
3,3-Dichlorobenzidine	18.5	5.00	"	25.0		74.0	15-187				
3-Nitroaniline	16.6	5.00	"	25.0		66.5	24-134				
4,6-Dinitro-2-methylphenol	35.7	5.00	"	25.0		143	10-153				
4-Bromophenyl phenyl ether	25.9	5.00	"	25.0		103	34-120				
4-Chloro-3-methylphenol	21.3	5.00	"	25.0		85.3	20-120				
4-Chloroaniline	14.7	5.00	"	25.0		58.9	10-147				
4-Chlorophenyl phenyl ether	20.8	5.00	"	25.0		83.0	27-121				
4-Nitroaniline	16.9	5.00	"	25.0		67.6	13-134				
4-Nitrophenol	8.10	5.00	"	25.0		32.4	10-131				
Acetophenone	17.0	5.00	"	25.0		68.2	25-110				
Aniline	8.58	5.00	"	25.0		34.3	10-117				
Benzaldehyde	16.2	5.00	"	25.0		64.9	29-117				
Benzoic acid	ND	50.0	"	25.2			30-130	Low Bias			
Benzyl alcohol	13.7	5.00	"	25.0		54.6	10-117				
Benzyl butyl phthalate	20.0	5.00	"	25.0		79.8	29-133				
Bis(2-chloroethoxy)methane	20.4	5.00	"	25.0		81.6	10-154				
Bis(2-chloroethyl)ether	17.1	5.00	"	25.0		68.6	17-125				
Bis(2-chloroisopropyl)ether	16.2	5.00	"	25.0		64.8	10-139				
Caprolactam	3.31	5.00	"	25.0		13.2	10-137				
Carbazole	18.7	5.00	"	25.0		74.7	42-126				
Dibenzofuran	18.7	5.00	"	25.0		74.9	36-113				
Diethyl phthalate	18.7	5.00	"	25.0		74.7	38-115				
Dimethyl phthalate	18.2	5.00	"	25.0		72.7	38-129				
Di-n-butyl phthalate	19.8	5.00	"	25.0		79.3	31-120				
Di-n-octyl phthalate	22.8	5.00	"	25.0		91.0	21-149				
Hexachlorocyclopentadiene	17.8	10.0	"	25.0		71.2	10-130				
Isophorone	19.1	5.00	"	25.0		76.3	25-127				
N-nitroso-di-n-propylamine	16.6	5.00	"	25.0		66.6	26-122				
N-Nitrosodiphenylamine	28.1	5.00	"	25.0		112	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 BH81269 - EPA 3510C

LCS (BH81269-BS1)

Prepared: 08/24/2018 Analyzed: 08/27/2018

Phenol	5.66	5.00	ug/L	25.0		22.6	10-110				
Pyridine	17.9	5.00	"	35.0		51.0	10-90				
Surrogate: 2-Fluorophenol	18.9		"	50.0		37.7	19.7-63.1				
Surrogate: Phenol-d5	12.2		"	50.0		24.5	10.1-41.7				
Surrogate: Nitrobenzene-d5	21.7		"	25.0		86.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	20.1		"	25.0		80.4	39.9-105				
Surrogate: 2,4,6-Tribromophenol	70.1		"	50.0		140	39.3-151				
Surrogate: Terphenyl-d14	26.6		"	25.0		106	30.7-106				

LCS (BH81269-BS2)

Prepared: 08/24/2018 Analyzed: 08/25/2018

Acenaphthene	0.600	0.0500	ug/L	1.00		60.0	25-116				
Acenaphthylene	0.620	0.0500	"	1.00		62.0	26-116				
Anthracene	0.610	0.0500	"	1.00		61.0	25-123				
Benzo(a)anthracene	0.730	0.0500	"	1.00		73.0	33-125				
Benzo(a)pyrene	0.730	0.0500	"	1.00		73.0	32-132				
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0	22-137				
Benzo(g,h,i)perylene	0.870	0.0500	"	1.00		87.0	10-138				
Benzo(k)fluoranthene	0.710	0.0500	"	1.00		71.0	20-137				
Bis(2-ethylhexyl)phthalate	0.590	0.500	"	1.00		59.0	10-189				
Chrysene	0.680	0.0500	"	1.00		68.0	32-124				
Dibenzo(a,h)anthracene	0.840	0.0500	"	1.00		84.0	16-133				
Fluoranthene	0.750	0.0500	"	1.00		75.0	32-121				
Fluorene	0.660	0.0500	"	1.00		66.0	28-118				
Hexachlorobenzene	0.220	0.0200	"	1.00		22.0	23-124	Low Bias			
Hexachlorobutadiene	0.630	0.500	"	1.00		63.0	15-123				
Hexachloroethane	0.560	0.500	"	1.00		56.0	18-115				
Indeno(1,2,3-cd)pyrene	0.840	0.0500	"	1.00		84.0	15-135				
Naphthalene	0.650	0.0500	"	1.00		65.0	18-120				
Nitrobenzene	0.800	0.250	"	1.00		80.0	21-121				
N-Nitrosodimethylamine	0.160	0.500	"	1.00		16.0	10-124				
Pentachlorophenol	0.870	0.250	"	1.00		87.0	10-156				
Phenanthrene	0.660	0.0500	"	1.00		66.0	24-127				
Pyrene	0.610	0.0500	"	1.00		61.0	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 BH81269 - EPA 3510C											
LCS Dup (BH81269-BSD1)						Prepared: 08/24/2018 Analyzed: 08/27/2018					
1,1-Biphenyl	18.9	5.00	ug/L	25.0		75.7	33-95		15.5	20	
1,2,4,5-Tetrachlorobenzene	22.9	5.00	"	25.0		91.6	26-120		7.20	20	
1,2,4-Trichlorobenzene	23.6	5.00	"	25.0		94.6	20-118		12.4	20	
1,2-Dichlorobenzene	20.4	5.00	"	25.0		81.5	29-111		18.3	20	
1,2-Diphenylhydrazine (as Azobenzene)	23.2	5.00	"	25.0		93.0	16-141		16.1	20	
1,3-Dichlorobenzene	18.7	5.00	"	25.0		74.8	23-117		17.6	20	
1,4-Dichlorobenzene	18.4	5.00	"	25.0		73.4	30-105		14.1	20	
2,3,4,6-Tetrachlorophenol	23.6	5.00	"	25.0		94.5	30-130		14.2	20	
2,4,5-Trichlorophenol	24.2	5.00	"	25.0		96.8	32-114		11.5	20	
2,4,6-Trichlorophenol	24.8	5.00	"	25.0		99.0	35-118		13.9	20	
2,4-Dichlorophenol	25.7	5.00	"	25.0		103	25-116		12.3	20	
2,4-Dimethylphenol	22.9	5.00	"	25.0		91.4	15-116		15.6	20	
2,4-Dinitrophenol	30.5	5.00	"	25.0		122	10-170		21.5	20	Non-dir.
2,4-Dinitrotoluene	26.7	5.00	"	25.0		107	41-128		15.1	20	
2,6-Dinitrotoluene	24.4	5.00	"	25.0		97.7	45-116		7.12	20	
2-Chloronaphthalene	19.3	5.00	"	25.0		77.0	33-112		10.6	20	
2-Chlorophenol	18.6	5.00	"	25.0		74.3	15-120		13.0	20	
2-Methylnaphthalene	24.9	5.00	"	25.0		99.6	24-118		11.5	20	
2-Methylphenol	15.6	5.00	"	25.0		62.6	10-110		8.81	20	
2-Nitroaniline	23.5	5.00	"	25.0		93.8	34-129		15.8	20	
2-Nitrophenol	27.7	5.00	"	25.0		111	28-118		16.0	20	
3- & 4-Methylphenols	13.0	5.00	"	25.0		52.2	10-107		13.2	20	
3,3-Dichlorobenzidine	20.4	5.00	"	25.0		81.5	15-187		9.68	20	
3-Nitroaniline	19.9	5.00	"	25.0		79.6	24-134		18.0	20	
4,6-Dinitro-2-methylphenol	39.3	5.00	"	25.0		157	10-153	High Bias	9.71	20	
4-Bromophenyl phenyl ether	30.0	5.00	"	25.0		120	34-120		14.9	20	
4-Chloro-3-methylphenol	25.0	5.00	"	25.0		100	20-120		15.9	20	
4-Chloroaniline	16.2	5.00	"	25.0		64.8	10-147		9.63	20	
4-Chlorophenyl phenyl ether	23.1	5.00	"	25.0		92.4	27-121		10.8	20	
4-Nitroaniline	19.8	5.00	"	25.0		79.4	13-134		16.1	20	
4-Nitrophenol	10.6	5.00	"	25.0		42.5	10-131		26.9	20	Non-dir.
Acetophenone	19.4	5.00	"	25.0		77.4	25-110		12.6	20	
Aniline	9.02	5.00	"	25.0		36.1	10-117		5.00	20	
Benzaldehyde	18.5	5.00	"	25.0		74.0	29-117		13.1	20	
Benzoic acid	ND	50.0	"	25.2			30-130	Low Bias		20	
Benzyl alcohol	14.6	5.00	"	25.0		58.3	10-117		6.52	20	
Benzyl butyl phthalate	22.4	5.00	"	25.0		89.8	29-133		11.8	20	
Bis(2-chloroethoxy)methane	23.3	5.00	"	25.0		93.2	10-154		13.3	20	
Bis(2-chloroethyl)ether	19.2	5.00	"	25.0		76.6	17-125		11.1	20	
Bis(2-chloroisopropyl)ether	19.6	5.00	"	25.0		78.4	10-139		19.1	20	
Caprolactam	4.58	5.00	"	25.0		18.3	10-137		32.2	20	Non-dir.
Carbazole	20.9	5.00	"	25.0		83.6	42-126		11.2	20	
Dibenzofuran	21.1	5.00	"	25.0		84.3	36-113		11.8	20	
Diethyl phthalate	21.4	5.00	"	25.0		85.7	38-115		13.7	20	
Dimethyl phthalate	21.5	5.00	"	25.0		86.1	38-129		16.9	20	
Di-n-butyl phthalate	22.2	5.00	"	25.0		88.7	31-120		11.2	20	
Di-n-octyl phthalate	25.2	5.00	"	25.0		101	21-149		10.1	20	
Hexachlorocyclopentadiene	19.7	10.0	"	25.0		78.6	10-130		9.93	20	
Isophorone	22.0	5.00	"	25.0		88.2	25-127		14.4	20	
N-nitroso-di-n-propylamine	19.2	5.00	"	25.0		76.8	26-122		14.2	20	
N-Nitrosodiphenylamine	32.3	5.00	"	25.0		129	23-149		13.9	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 BH81269 - EPA 3510C

LCS Dup (BH81269-BSD1)

Prepared: 08/24/2018 Analyzed: 08/27/2018

Phenol	6.70	5.00	ug/L	25.0		26.8	10-110		16.8	20
Pyridine	17.1	5.00	"	35.0		48.9	10-90		4.23	20
Surrogate: 2-Fluorophenol	20.8		"	50.0		41.5	19.7-63.1			
Surrogate: Phenol-d5	13.4		"	50.0		26.8	10.1-41.7			
Surrogate: Nitrobenzene-d5	25.0		"	25.0		100	50.2-113			
Surrogate: 2-Fluorobiphenyl	22.0		"	25.0		88.2	39.9-105			
Surrogate: 2,4,6-Tribromophenol	78.8		"	50.0		158	39.3-151			
Surrogate: Terphenyl-d14	28.1		"	25.0		113	30.7-106			

Batch BH81412 - EPA 3550C

Blank (BH81412-BLK1)

Prepared: 08/28/2018 Analyzed: 08/29/2018

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"



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 BH81412 - EPA 3550C

Blank (BH81412-BLK1)

Prepared: 08/28/2018 Analyzed: 08/29/2018

Benzo(a)anthracene	ND	0.0417	mg/kg wet								
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	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.32		"	1.67		79.3	20-108				
Surrogate: Phenol-d5	1.39		"	1.67		83.5	23-114				
Surrogate: Nitrobenzene-d5	0.873		"	0.833		105	22-108				
Surrogate: 2-Fluorobiphenyl	0.758		"	0.833		91.0	21-113				
Surrogate: 2,4,6-Tribromophenol	1.63		"	1.67		97.5	19-110				
Surrogate: Terphenyl-d14	1.33		"	0.833		160	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 BH81412 - EPA 3550C											
LCS (BH81412-BS1)						Prepared: 08/28/2018 Analyzed: 08/29/2018					
1,1-Biphenyl	0.595	0.0417	mg/kg wet	0.833		71.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.841	0.0833	"	0.833		101	21-131				
1,2,4-Trichlorobenzene	0.694	0.0417	"	0.833		83.3	10-140				
1,2-Dichlorobenzene	0.502	0.0417	"	0.833		60.2	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.555	0.0417	"	0.833		66.6	17-137				
1,3-Dichlorobenzene	0.499	0.0417	"	0.833		59.8	33-110				
1,4-Dichlorobenzene	0.471	0.0417	"	0.833		56.5	32-104				
2,3,4,6-Tetrachlorophenol	1.33	0.0833	"	0.833		160	30-130	High Bias			
2,4,5-Trichlorophenol	0.601	0.0417	"	0.833		72.2	27-118				
2,4,6-Trichlorophenol	0.614	0.0417	"	0.833		73.7	31-120				
2,4-Dichlorophenol	0.631	0.0417	"	0.833		75.7	20-127				
2,4-Dimethylphenol	0.572	0.0417	"	0.833		68.6	14-132				
2,4-Dinitrophenol	0.543	0.0833	"	0.833		65.2	10-171				
2,4-Dinitrotoluene	0.593	0.0417	"	0.833		71.2	34-131				
2,6-Dinitrotoluene	0.562	0.0417	"	0.833		67.4	31-128				
2-Chloronaphthalene	0.540	0.0417	"	0.833		64.8	31-117				
2-Chlorophenol	0.514	0.0417	"	0.833		61.7	33-113				
2-Methylnaphthalene	0.590	0.0417	"	0.833		70.8	12-138				
2-Methylphenol	0.472	0.0417	"	0.833		56.7	10-136				
2-Nitroaniline	0.466	0.0833	"	0.833		55.9	27-132				
2-Nitrophenol	0.491	0.0417	"	0.833		58.9	17-129				
3- & 4-Methylphenols	0.443	0.0417	"	0.833		53.2	29-103				
3,3-Dichlorobenzidine	0.405	0.0417	"	0.833		48.6	22-149				
3-Nitroaniline	0.407	0.0833	"	0.833		48.9	20-133				
4,6-Dinitro-2-methylphenol	0.562	0.0833	"	0.833		67.4	10-143				
4-Bromophenyl phenyl ether	0.732	0.0417	"	0.833		87.8	29-120				
4-Chloro-3-methylphenol	0.565	0.0417	"	0.833		67.8	24-129				
4-Chloroaniline	0.456	0.0417	"	0.833		54.8	10-132				
4-Chlorophenyl phenyl ether	0.718	0.0417	"	0.833		86.2	27-124				
4-Nitroaniline	0.433	0.0833	"	0.833		52.0	16-128				
4-Nitrophenol	0.545	0.0833	"	0.833		65.4	10-141				
Acenaphthene	0.536	0.0417	"	0.833		64.3	30-121				
Acenaphthylene	0.464	0.0417	"	0.833		55.7	30-115				
Acetophenone	0.588	0.0417	"	0.833		70.6	20-112				
Aniline	0.390	0.167	"	0.833		46.8	10-119				
Anthracene	0.581	0.0417	"	0.833		69.8	34-118				
Atrazine	0.725	0.0417	"	0.833		87.0	26-112				
Benzaldehyde	0.519	0.0417	"	0.833		62.3	21-100				
Benzo(a)anthracene	0.577	0.0417	"	0.833		69.2	32-122				
Benzo(a)pyrene	0.652	0.0417	"	0.833		78.2	29-133				
Benzo(b)fluoranthene	0.590	0.0417	"	0.833		70.8	25-133				
Benzo(g,h,i)perylene	0.575	0.0417	"	0.833		69.0	10-143				
Benzo(k)fluoranthene	0.623	0.0417	"	0.833		74.7	25-128				
Benzoic acid	0.0967	0.0417	"	0.842		11.5	10-140				
Benzyl alcohol	0.588	0.0417	"	0.833		70.6	30-115				
Benzyl butyl phthalate	0.436	0.0417	"	0.833		52.3	26-126				
Bis(2-chloroethoxy)methane	0.462	0.0417	"	0.833		55.4	19-132				
Bis(2-chloroethyl)ether	0.479	0.0417	"	0.833		57.5	19-125				
Bis(2-chloroisopropyl)ether	0.562	0.0417	"	0.833		67.5	20-135				
Bis(2-ethylhexyl)phthalate	0.373	0.0417	"	0.833		44.7	10-155				
Caprolactam	0.525	0.0833	"	0.833		63.0	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 BH81412 - EPA 3550C

LCS (BH81412-BS1)

Prepared: 08/28/2018 Analyzed: 08/29/2018

Carbazole	0.483	0.0417	mg/kg wet	0.833		57.9	35-123				
Chrysene	0.578	0.0417	"	0.833		69.3	32-123				
Dibenzo(a,h)anthracene	0.615	0.0417	"	0.833		73.8	10-136				
Dibenzofuran	0.559	0.0417	"	0.833		67.1	29-121				
Diethyl phthalate	0.528	0.0417	"	0.833		63.4	34-116				
Dimethyl phthalate	0.594	0.0417	"	0.833		71.3	35-124				
Di-n-butyl phthalate	0.448	0.0417	"	0.833		53.7	31-116				
Di-n-octyl phthalate	0.373	0.0417	"	0.833		44.7	26-136				
Fluoranthene	0.639	0.0417	"	0.833		76.7	33-122				
Fluorene	0.566	0.0417	"	0.833		67.9	29-123				
Hexachlorobenzene	0.553	0.0417	"	0.833		66.4	21-124				
Hexachlorobutadiene	0.914	0.0417	"	0.833		110	10-149				
Hexachlorocyclopentadiene	0.128	0.0417	"	0.833		15.4	10-129				
Hexachloroethane	0.550	0.0417	"	0.833		66.0	28-108				
Indeno(1,2,3-cd)pyrene	0.598	0.0417	"	0.833		71.8	10-135				
Isophorone	0.542	0.0417	"	0.833		65.0	20-132				
Naphthalene	0.578	0.0417	"	0.833		69.3	23-124				
Nitrobenzene	0.571	0.0417	"	0.833		68.5	13-132				
N-Nitrosodimethylamine	0.262	0.0417	"	0.833		31.4	11-129				
N-nitroso-di-n-propylamine	0.491	0.0417	"	0.833		58.9	24-119				
N-Nitrosodiphenylamine	0.589	0.0417	"	0.833		70.7	22-152				
Pentachlorophenol	0.418	0.0417	"	0.833		50.2	10-139				
Phenanthrene	0.603	0.0417	"	0.833		72.4	33-123				
Phenol	0.534	0.0417	"	0.833		64.1	23-115				
Pyrene	0.722	0.0417	"	0.833		86.7	32-130				
Pyridine	0.295	0.167	"	0.833		35.4	10-91				
<i>Surrogate: 2-Fluorophenol</i>	<i>1.06</i>		<i>"</i>	<i>1.67</i>		<i>63.4</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.10</i>		<i>"</i>	<i>1.67</i>		<i>66.2</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.682</i>		<i>"</i>	<i>0.833</i>		<i>81.8</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.623</i>		<i>"</i>	<i>0.833</i>		<i>74.8</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.29</i>		<i>"</i>	<i>1.67</i>		<i>77.3</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.995</i>		<i>"</i>	<i>0.833</i>		<i>119</i>	<i>24-116</i>				



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 BH81335 - EPA 3015A

Blank (BH81335-BLK1)

Prepared: 08/27/2018 Analyzed: 08/28/2018

Aluminum	ND	0.0556	mg/L
Barium	ND	0.0111	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Cobalt	ND	0.00556	"
Copper	ND	0.00556	"
Iron	0.0424	0.0222	"
Lead	ND	0.00556	"
Magnesium	ND	0.0556	"
Manganese	ND	0.00556	"
Nickel	ND	0.00556	"
Potassium	ND	0.0556	"
Silver	ND	0.00556	"
Sodium	ND	0.111	"
Vanadium	ND	0.0111	"
Zinc	ND	0.0167	"

LCS (BH81335-BS1)

Prepared: 08/27/2018 Analyzed: 08/28/2018

Aluminum	2.01	ug/mL	2.00	101	80-120
Barium	2.03	"	2.00	101	80-120
Calcium	1.12	"	1.00	112	80-120
Chromium	0.210	"	0.200	105	80-120
Cobalt	0.525	"	0.500	105	80-120
Copper	0.258	"	0.250	103	80-120
Iron	1.02	"	1.00	102	80-120
Lead	0.509	"	0.500	102	80-120
Magnesium	1.05	"	1.00	105	80-120
Manganese	0.507	"	0.500	101	80-120
Nickel	0.514	"	0.500	103	80-120
Potassium	0.928	"	0.500	186	80-120
Silver	0.0524	"	0.0500	105	80-120
Sodium	1.11	"	1.00	111	80-120
Vanadium	0.491	"	0.500	98.3	80-120
Zinc	0.499	"	0.500	99.7	80-120

High Bias



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 BH81335 - EPA 3015A

Duplicate (BH81335-DUP1)		*Source sample: 18H1109-11 (011/FB-1)					Prepared: 08/27/2018 Analyzed: 08/28/2018				
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	ND	0.0111	"		ND					20	
Calcium	ND	0.0556	"		ND					20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00556	"		ND					20	
Copper	ND	0.00556	"		ND					20	
Iron	ND	0.0222	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	ND	0.0556	"		ND					20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.00556	"		ND					20	
Potassium	ND	0.0556	"		ND					20	
Silver	ND	0.00556	"		ND					20	
Sodium	0.138	0.111	"		0.338				83.7	20	Non-dir.
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0167	"		ND					20	

Matrix Spike (BH81335-MS1)		*Source sample: 18H1109-11 (011/FB-1)					Prepared: 08/27/2018 Analyzed: 08/28/2018				
Aluminum	2.36	0.0556	mg/L	2.22	ND	106	75-125				
Barium	2.29	0.0111	"	2.22	ND	103	75-125				
Calcium	1.26	0.0556	"	1.11	ND	113	75-125				
Chromium	0.236	0.00556	"	0.222	ND	106	75-125				
Cobalt	0.589	0.00556	"	0.556	ND	106	75-125				
Copper	0.292	0.00556	"	0.278	ND	105	75-125				
Iron	1.18	0.0222	"	1.11	ND	106	75-125				
Lead	0.571	0.00556	"	0.556	ND	103	75-125				
Magnesium	1.21	0.0556	"	1.11	ND	109	75-125				
Manganese	0.573	0.00556	"	0.556	ND	103	75-125				
Nickel	0.578	0.00556	"	0.556	ND	104	75-125				
Potassium	1.02	0.0556	"	0.556	ND	184	75-125	High Bias			
Silver	0.0600	0.00556	"	0.0556	ND	108	75-125				
Sodium	1.40	0.111	"	1.11	0.338	95.8	75-125				
Vanadium	0.554	0.0111	"	0.556	ND	99.7	75-125				
Zinc	0.566	0.0167	"	0.556	ND	102	75-125				



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 BH81426 - EPA 3050B

Blank (BH81426-BLK1)

Prepared: 08/28/2018 Analyzed: 08/29/2018

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	6.50	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	14.6	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BH81426-SRM1)

Prepared: 08/28/2018 Analyzed: 08/29/2018

Aluminum	7470	5.00	mg/kg wet	8360	89.4	39.4-160.5
Antimony	79.4	0.500	"	75.5	105	25.1-275.7
Arsenic	172	1.00	"	161	107	69.9-132.9
Barium	265	1.00	"	260	102	71.5-136.3
Beryllium	98.5	0.100	"	97.6	101	75.4-138.1
Cadmium	217	0.300	"	211	103	73.3-141.5
Calcium	5040	5.00	"	4760	106	73.7-136.1
Chromium	141	0.500	"	136	104	69.1-143.3
Cobalt	53.1	0.500	"	48.2	110	74.6-142
Copper	180	0.500	"	166	109	72.7-141.6
Iron	14100	2.00	"	14100	99.7	35.6-163.9
Lead	114	0.500	"	111	103	70.8-137.1
Magnesium	2280	5.00	"	2340	97.3	63.6-136.1
Manganese	237	0.500	"	228	104	75.7-134.3
Nickel	108	0.500	"	91.9	117	70.7-146.3
Potassium	1940	5.00	"	2020	96.2	59.8-140.2
Selenium	172	1.00	"	191	89.9	67.1-136.8
Silver	45.2	0.500	"	43.3	104	66.5-139.5
Sodium	238	10.0	"	218	109	40.6-159.8
Thallium	160	1.00	"	156	102	68-136.2
Vanadium	56.0	1.00	"	56.7	98.8	58.9-141.8
Zinc	202	1.50	"	199	101	69.5-131.1



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BH81476 - EPA 3015A

Blank (BH81476-BLK1)

Prepared: 08/29/2018 Analyzed: 08/30/2018

Antimony	ND	1.00	ug/L
Arsenic	ND	1.00	"
Beryllium	ND	1.00	"
Cadmium	ND	1.00	"
Selenium	ND	1.00	"
Thallium	ND	1.00	"

LCS (BH81476-BS1)

Prepared: 08/29/2018 Analyzed: 08/30/2018

Antimony	51.4		ug/L	50.0	103	80-120
Arsenic	50.5		"	50.0	101	80-120
Beryllium	48.9		"	50.0	97.8	80-120
Cadmium	50.6		"	50.0	101	80-120
Selenium	47.9		"	50.0	95.9	80-120
Thallium	56.8		"	50.0	114	80-120



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 BH81238 - EPA 7473 water											
Blank (BH81238-BLK1)								Prepared & Analyzed: 08/24/2018			
Mercury	ND	0.00020	mg/L								
Duplicate (BH81238-DUP1)								Prepared & Analyzed: 08/24/2018			
Mercury	ND	0.00020	mg/L		ND					20	
Matrix Spike (BH81238-MS1)								Prepared & Analyzed: 08/24/2018			
Mercury	0.00982		mg/L	0.0100	0.00	98.2	75-125				
Reference (BH81238-SRM1)								Prepared & Analyzed: 08/24/2018			
Mercury	0.00953		mg/L	0.0100		95.3	70-130				
Batch BH81455 - EPA 7473 soil											
Blank (BH81455-BLK1)								Prepared & Analyzed: 08/29/2018			
Mercury	ND	0.0300	mg/kg wet								
Reference (BH81455-SRM1)								Prepared & Analyzed: 08/29/2018			
Mercury	10.468		mg/kg	13.8		75.9	51.4-168.8				



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 BH81248 - Analysis Preparation											
Blank (BH81248-BLK1)								Prepared & Analyzed: 08/24/2018			
Chromium, Hexavalent	ND	10.0	ug/L								
LCS (BH81248-BS1)								Prepared & Analyzed: 08/24/2018			
Chromium, Hexavalent	453	10.0	ug/L	500		90.6	80-120				
Duplicate (BH81248-DUP1) *Source sample: 18H1109-01 (015/LTW-3)								Prepared & Analyzed: 08/24/2018			
Chromium, Hexavalent	ND	10.0	ug/L		ND					20	
Matrix Spike (BH81248-MS1) *Source sample: 18H1109-01 (015/LTW-3)								Prepared & Analyzed: 08/24/2018			
Chromium, Hexavalent	445	10.0	ug/L	500	ND	89.0	75-125				
Batch BH81449 - EPA SW846-3060											
Blank (BH81449-BLK1)								Prepared & Analyzed: 08/29/2018			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BH81449-SRM1)								Prepared & Analyzed: 08/29/2018			
Chromium, Hexavalent	42.3		mg/L	76.9		55.0	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1109-01	015/LTW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1109-02	016/DUP-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1109-03	017/LTW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1109-04	019/LTW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1109-05	012/FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1109-06	018/TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1109-07	009/LSB-8	40mL Vial with Stir Bar-Cool 4° C
18H1109-08	010/LSB-10	40mL Vial with Stir Bar-Cool 4° C
18H1109-09	013/LSB-6	40mL Vial with Stir Bar-Cool 4° C
18H1109-10	014/LSB-7	40mL Vial with Stir Bar-Cool 4° C
18H1109-11	011/FB-1	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-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
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.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
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.

6011109

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.

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